



# Global Export Lab Essentials Catalog 2014

# Welcome To the Global Export 2014 Lab Essentials Catalog!

A NEW LOOK, A NEW DESIGN AND 4000 FISHERBRAND AND FISHER SCIENTIFIC PRODUCTS DESIGNED TO FIT THE NEED OF EVERY LABORATORY — ALLOWING YOU TO WORK WITH CONFIDENCE.

## Why put more blue in your lab?

- **Quality** – Manufactured with high-grade materials to our specifications
- **Reliability** – Tested and inspected to stringent performance requirements
- **Value** – Competitive pricing along with our guarantee that, if the product does not perform to published specifications, we will replace it – no questions asked
- **Availability** – Readily available and easy to order



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A Thermo Fisher Scientific Brand

# Lab Essentials

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**Apparatus**

**Ampule Accessories**

## Fisherbrand™ SafeSnap™ Disposable Ampule Openers

- To use: Slip the collar onto the ampule until collar rests on the widest part
- Grip the collar with thumb and forefinger while holding the upright ampule at bottom
- Break the ampule with a quick snap
- Dispose of the collar and ampule top together



Cat. No.	Description	Quantity
01-216-1	1 to 4mL	1000/Pk.
01-216-2	5 to 10mL	1000/Pk.

**Clamps**

**Glass Joint Clamps**

## Fisherbrand™ Plastic Joint Clips

- Color coded for easy size identification
- Does not corrode
- Will not scratch glass



Cat. No.	Description	Quantity
14-955-251	Green; For joint size: 10	10/Pk.
14-955-252	Purple; For joint size: 12	10/Pk.
14-955-253	Yellow; For joint size: 14	10/Pk.
14-955-254	Blue; For joint size: 19	10/Pk.
14-955-255	Green; For joint size: 24	10/Pk.
14-955-256	Red; For joint size: 29	10/Pk.
14-955-257	Orange; For joint size: 34	10/Pk.
14-955-258	Yellow; For joint size: 40	10/Pk.
14-955-259	Brown; For joint size: 45	10/Pk.

**Plastic Clamps**

## Fisherbrand™ Polypropylene Clamp with Flow Control

- Fits 0.12 to 0.5" (3.2 to 13mm) O.D. tubing
- Molded white polypropylene construction
- Autoclavable
- With 15-position control
- Will not distort, rust, or corrode



Cat. No.	Description	Quantity
05-869	Clamp with flow control	12/Pk.

## Fisherbrand™ Tight-Seal™ Clamp Assortment

- With five each of the 12 sizes of Fisherbrand Tight-Seal clamps



Cat. No.	Description	Quantity
05-815	Clamp assortment	65/Pk.

**Cryogenic Products**

**Cryogenic Storage Containers**

## Fisherbrand™ Cryogenic Vial Storage Boxes

- 81-Place white polycarbonate storage boxes
- Use in mechanical freezers and liquid nitrogen Dewars
- Cover is printed with a 9 × 9 numbered grid for inventory purposes
- Stackable
- Autoclavable



Cat. No.	Description	Quantity
10-500-28	For 1.2 to 2.0mL vials	4/Pk.
10-500-29	For vials up to 5.0mL	4/Pk.

**Dewar Flasks - Glass-lined**

## Fisherbrand™ Low-Form Dewar Flasks

- Cylindrical style
- For use with liquified gases
- Vacuum tip—off tubulation is offset to minimize space between the bottom and magnetic stirrer
- Protective aluminum base extends to full height of the Dewar



Cat. No.	Description	Quantity
10-196-6	350mL	Ea.
10-196-7	850mL	Ea.



## Fisherbrand™ Metal-Cased Cylindrical Dewar Flasks

- For use with liquefied gases
- Space between walls evacuated and sealed
- Metal casing surrounds glass to protect user from accidental breakage
- Special vented polyethylene stopper minimizes evaporation



Cat. No.	Description	Quantity
<b>With handle</b>		
10-196-11	1.125 qt. (1L),	Ea.
<b>Without handle</b>		
10-195A	0.75 qt. (0.6L),	Ea.
10-195B	1.125 qt. (1L),	Ea.
10-195C	2 qt. (1.9L),	Ea.
10-195D	4.5 qt. (4.3L),	Ea.

### Data Loggers

## Fisherbrand™ RFRHTEMP2000A Wireless Temperature and Humidity Datalogger

- Wireless, two-way communication
- View data in real-time
- Field upgradeable
- Audible and LED alarm indicators
- Cumulative alarm delay
- Fast installation; minimal long-term maintenance
- Full communication from one PC
- Time and money savings with battery management
- Reduction of false alarms
- Utilizes new MadgeTech Software, version 4.0
- Available with NIST traceable calibration certificate



Cat. No.	Description	Quantity
15-060-124	With NIST Calibration Certificate	Ea.
15-060-125	Without NIST Certificate	Ea.

## Fisherbrand™ RFTCTEMP2000A-MP Wireless Thermocouple Temperature Datalogger

- Wireless, two-way communication
- Ambient and thermocouple temperature monitoring
- View data in real-time
- Field upgradeable
- Audible and LED alarm indicators
- Programmable trigger settings for applications in which logging is critical only above or below a certain temperature
- Cumulative alarm delay
- Fast installation; minimal long-term maintenance
- Full communication from one PC
- Time and money savings with battery management
- Easily isolates critical data
- Reduction of false alarms
- Utilizes new MadgeTech Software, Version 4.0
- Available with NIST traceable calibration certificate



Cat. No.	Description	Quantity
15-060-123	With NIST Calibration Certificate	Ea.
15-060-300	Without NIST Certificate	Ea.

## Fisher Scientific™ OctRTD™ 8-Channel RTD Datalogger

- All-in-one compact, portable, easy to use device
- Measures and records data for up to 10,922 measurements per channel
- Storage medium is nonvolatile solid-state memory, providing maximum data security, even if battery becomes discharged
- Device can be started and stopped directly from your computer; small size allows it to fit almost anywhere
- Data retrieval is quick and easy — simply plug datalogger into a USB port and user-friendly software does the rest



### Specifications:

- Memory: 10,922/channel
- Reading Rate: 2 seconds up to 12 hours
- Baud Rate: 2,400
- Channels: 8
- Battery Life: 1 year typical
- Material: Anodized aluminum
- Dimensions: 3.5 × 4.4 × 1.5", (8.9 × 11.2 × 3.9cm)
- Operating Environment: -20~+60°C, 0~95% RH noncondensing
- Required Interface Package: USB interface cable (Cat. No. 15-060-036)
- Temperature Sensor: External: 2, 3, or 4 wire 100 Ohm Platinum RTD
- Temperature Range: -200 to +850°C
- Temperature Resolution: 0.01°C
- Temperature Calibrated Accuracy: ±0.1°C

Cat. No.	Description	Quantity
15-060-043CER	With NIST Calibration Certificate	Ea.
15-060-043	Without NIST Certificate	Ea.

## Fisher Scientific™ QuadRTD™ 4-Channel RTD Datalogger

- Battery powered, stand alone, 100 Ohm, RTD-based temperature datalogger with screw terminals
- All-in-one compact, portable, easy-to-use device that measures and records data of up to 21,845 measurements per channel
- Storage medium is nonvolatile solid state memory, providing maximum data security even if battery becomes discharged
- Device can be started and stopped directly from your computer; small size allows it to fit almost anywhere
- Data retrieval quick and easy; simply plug it into a COM or USB port and user-friendly software does the rest



### General Specifications:

- Memory: 21,845/channel
- Reading Rate: 2 seconds up to 12 hours
- Baud Rate: 2,400
- Channels: 4
- Battery Life: 1 year
- Material: Anodized aluminum
- Dimensions: 3.5 × 4.4 × 1" (8.9 × 11.2 × 2.6cm)
- Operating Environment: -20~+60°C, 0~95% RH noncondensing
- Required Interface Package: USB interface cable (Cat. No. 15-060-036)

### Temperature:

- Temperature Sensor: External 2, 3, or 4 wire 100 Ohm Platinum RTD
- Temperature Range: -200 to +850°C
- Temperature Resolution: 0.01°C
- Temperature Calibrated Accuracy: ±0.1°C

Cat. No.	Description	Quantity
15-060-042CER	With NIST Calibration Certificate	Ea.
15-060-042	Without NIST Certificate	Ea.

## Fisher Scientific™ Therm-A-Lert-GB™ Wireless Temperature Datalogger with RTD Probe

- User programmable alarm can be configured to send message via text message, on-screen alarm and/or email if alarm condition occurs
- Includes an RTD probe mounted in a bottle filled with ethylene glycol
- System includes an internal sensor
- Equipped with wireless, two-way communication
- Precision RTD sensing element
- Allows user to view data in real-time
- Battery life indicator
- Field upgrade
- Fast installation; minimal long term maintenance
- Full communication from one PC



### General Specifications:

- Reading Rate: One reading every two seconds to one every 24 hours
- Memory: 30,000 readings; software configurable memory wrap
- Wrap Around: Yes
- Start Modes: Immediate start; Delay start up to 18 months
- Calibration: Digital calibration through software
- Calibration Date: Automatically recorded within device
- Battery Type: 3.6V lithium battery included; user replaceable
- Battery Life: 2 years typical
- Data Format: Date and time stamped °C, °F, K, °R
- Time Accuracy: ±1 minute/month (at 25°C)
- Computer Interface: RFC1000 (Cat. No. 15-059-502), required
- Software: XP SP3/Vista/Windows 7
- Operating Environment: -20°C to +80°C (-4°F to +176°F), 0% RH to 95% RH noncondensing
- Datalogger Dimensions: 2.2 × 5 × 1.3" (5.5 × 12.7 × 3.3cm)
- Enclosure Material: ABS plastic

### Temperature:

- Probe Temperature Range: -50°C to +80°C (-58°F to +176°F)
- Resolution: 0.01°C (0.018°F)
- Probe Calibrated Accuracy: ±0.1°C/±0.18°F (-20°C to +80°C/-4°F to +176°F)
- ±0.5°C/±0.9°F (outside of specified range)

Cat. No.	Description	Quantity
15-060-072	With RTD Probe	Ea.

**Desiccators**

**Nonvacuum Desiccators - Glass**

## Fisherbrand™ Desiccator with Porcelain Plate

- Sample plate has 5mm center hole, glaze on one side, and no feet
- Similar to 08-595 Series



Cat. No.	Description	Quantity
08-615A	Inside Dia.: 200mm	Ea.
08-615B	Inside Dia.: 250mm	Ea.

## Fisherbrand™ Heavy Glass Desiccators

- Apply grease to internal edges of flanges
- Press lid on jar and rotate at least 360° to ensure airtight seal
- Rim in lower portion of jar holds sample plate over desiccant



Cat. No.	Description	Quantity
08-595C	I.D.: 150mm; Uses 142mm plate	Ea.
08-595E	I.D.: 250mm; Uses 230mm plate	Ea.

**Nonvacuum Desiccators - Plastic**

## Fisherbrand™ Acrylic Desiccator Cabinets

- Ideal for storing anhydrous and hygroscopic biological and chemical compounds, as well as electronic assemblies and any components requiring controlled storage conditions
- Neoprene gasket on door ensures tight seal
- Door is secured with two stainless-steel latches (large size has three latches) and full-height hinge
- Removable, lipped tray holds solid desiccant
- Shelves are removable, adjustable and vented to maximize airflow



Cat. No.	Description	Quantity
08-642-23A	No. of Shelves: 2	Ea.

**Nonvacuum Desiccators - Special Material**

## Fisherbrand™ Stainless-Steel Desiccator Cabinets

**Key Features**

- Polished stainless steel with 0.187" thick (4.8mm) glass
- Airtight door with neoprene gasket, full-height hinges and double-action bar locks
- Fixed wire shelf brackets every 0.5" (13mm)



Cat. No.	Description	Quantity
086456	Standard; 12.25L x 12.5W x 12.25 in. H (31 x 32 x 31cm)	Ea.

**Desiccators**

## Fisher Scientific™ Rectangular Desi-Vac™ Container Desiccators

- Vacuum pump built into the top removes air with manual strokes Rubber O-ring-sealed cover maintains vacuum Achieves a vacuum of better than 200" of water (15" of mercury) Release button allows air into the container to remove lid Vacuum-indicating button confirms interior vacuum Dial hygrometer displays 0 to 100% relative humidity with a resolution of 2% RH
- Perfect for storing chemicals, powders, tissues, plant sections, electronics, and weighing samples



Cat. No.	Description	Quantity
15-077-955	3000mL	Ea.

**Dissecting Equipment**

## Fisherbrand™ Dissecting Set

- Forceps: medium points, nickel-plated
- Scissors: 1.5" (40mm) blades, stainless steel
- Dissecting knife handle: nickel-plated
- Knife blades: stainless steel, pack of 3
- Dropping pipet: glass
- Bent dissecting needle: stainless steel with plastic handle
- Straight dissecting needle: stainless steel with plastic handle
- Vinylite™ Ruler 6" (15cm)



Cat. No.	Description	Quantity
08-855	8-piece student	Ea.

Forceps - Dissection

## Fisherbrand™ Curved, Serrated or Smooth Tip Microforceps

- Can be sterilized by EtO/Gamma radiation
- Rockwell hardness (HRC): 40–45
- Passivated
- Fully autoclavable
- Patterned grip handles

Cat. No.	Description	Quantity
<i>Curved, serrated tip</i>		
08-953D	Length: 7.87 in.	Ea.
<i>Smooth jaw</i>		
08-953B	Length: 8 in.	Ea.

## Fisherbrand™ Dissecting Blunt-Pointed Forceps

- ASTM™ standard stainless steel
- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Electronically passivated
- Autoclavable
- Latex-free
- Highly polished stainless steel
- Curved forceps have guide pins on tips



Cat. No.	Description	Quantity
<i>Straight</i>		
08-890	Length: 5 in.	Ea.
<i>Curved</i>		
08-887	Length: 5 in.	Ea.

## Fisherbrand™ Dissecting Cushing Delicate Thumb Forceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Passivated
- Fully autoclavable
- Latex-free
- Patterned grip handles
- Stainless steel



Cat. No.	Description	Quantity
08-953C	Length: 7 in.	Ea.

## Fisherbrand™ Dissecting Dressing Forceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Electronically passivated
- Autoclavable up to 135°C
- Latex-free
- Forged, surgical-grade stainless steel
- Patterned handles
- Hand polished



Cat. No.	Description	Quantity
1381239	Length: 4.5 in.	Ea.
13-812-40	Length: 6 in.	Ea.

## Fisherbrand™ Dissecting Extra-Fine-Pointed Splinter Forceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness: 40–45 HRC
- Passivated
- Fully autoclavable
- Surgical-quality stainless steel
- Straight, serrated tips
- Patterned grip handles
- Hand polished
- Latex-free



Cat. No.	Description	Quantity
13-812-42	Length: 4.5 in.	Ea.

## Fisherbrand™ Dissecting Fine-Pointed Forceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Passivated
- Fully autoclavable
- Latex-free
- Patterned grip handles



Cat. No.	Description	Quantity
08-880	Straight	Ea.

## Fisherbrand™ Dissecting Jewelers Microforceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Passivated
- Fully autoclavable
- Latex-free
- ASTM™ standard stainless steel
- Ultrathin, smooth tips
- Smooth handles



Cat. No.	Description	Quantity
<b>Straight</b>		
08-953E	Length: 4.5 in. (11.4cm)	Ea.
<b>Curved</b>		
08-953F	Length: 4.5 in.	Ea.

## Fisherbrand™ Dissecting Tissue Forceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Passivated
- Autoclavable up to 135°C
- Latex-free
- 1 × 2 teeth grip tissue securely
- Patterned handles
- Stainless steel



Cat. No.	Description	Quantity
13-812-36	Length: 5.5 in. (14cm)	Ea.
08-953G	Length: 8 in.	Ea.

### Embedding Cassette Storage

## Fisherbrand™ Cassette Storage Cabinet

- Sturdy ABS plastic construction
- Six drawers hold up to 1500 standard tissue cassettes
- Ergonomic handle for easy opening and closing
- Stackable top and bottom design



Cat. No.	Description	Quantity
22-126-345	Holds up to 1500 Tissue Cassettes	Ea.

## Fisherbrand™ HistoPrep™ Modular File Drawer

- Stackable self-contained drawers
- Made of high impact plastic
- Two drawers hold 250 cassettes or embedding rings†



Cat. No.	Description	Quantity
15-182-511A	Without cassettes	2/Cs.

## Fisher Scientific™ Tissue Path™ Tissue Cassette/Embedding Ring File Drawers

- Made of high-impact polystyrene
- Removable inner sleeve drawer



Cat. No.	Description	Quantity
13-989-120	2-1/4H × 91-/2W × 16-5/8 D in.	Ea.

### Eyewash and Shower Fixtures

#### Fixed Eyewash and Shower Fixtures

## Fisher Safety™ Combination Safety Stations

### Stay-Open Ball Valve

- Shower has chrome-plated, 1" (2.54cm) IPS brass ball valve with stainless-steel actuating arm and easy grab triangular handle
- Eye/facewash has chrome-plated, 0.5" (1.27cm) IPS brass ball valve activated by highly visible yellow PVC push handle
- Valves stay open until manually closed



### Shower Head

- 10" dia. (25.4cm) shower head is constructed of yellow impact-resistant plastic
- Flowrate exceeds 20 gpm at 30psi

### Eye/Facewash Heads

- Twin perforated ABS disc heads feature protective pop-off sprayhead covers
- Gentle spray bathes eyes and face
- Exceeds flowrate of 3 gpm at 30psi
- Integral flow control in sprayhead assembly assures safe, steady water flow between 30-90psi water supply conditions

### Eye/Facewash Bowl

- 10" diameter bowl
- Available in yellow ABS plastic or stainless steel

### Pipe and Fittings

- Galvanized steel protected by safety yellow coating
- Main pipe is 1.25" (1.38cm) IPS; shower pipe is 1" IPS; eyewash piping is 0.5" NPT
- Base is aluminum with 9" dia. (22.9cm) floor flange
- Supply is 1.25" IPS female

Cat. No.	Description	Quantity
19-120-2315	Shower/Eye/Facewash, Stainless Steel Bowl	Ea.



## Fisher Safety Faucet-Mount Personal Eyewash

- Mounts to both standard and gooseneck faucets
- Features chrome-plated brass pipe, fittings, faucet adapter, and twin sprayhead assembly
- Yellow dust covers pop off when eyewash is activated



Cat. No.	Description	Quantity
19-150-0470	Faucet-mount eyewash	Ea.

## Fisher Safety™ Wall-Mounted Eye/Facewashes

- Both models have 10" (25.4cm) bowls and exceed minimum water flow of 3gpm (11.35L/min.) at 30psi
- Activated by highly visible yellow PVC or stainless-steel push handle
- ABS plastic perforated disc sprayheads gently cleanse eyes and face
- Sprayhead assemblies include flow control and pop-off protective sprayhead dust covers
- Stay-open valves are 1/2" IPS chrome-plated brass
- With heavy-gauge aluminum wall bracket and tailpiece, dome-type strainer, and 1.25" (3.18cm) IPS female fitting with tailpiece



Cat. No.	Description	Quantity
19-120-2304	With stainless steel bowl	Ea.

### Gas Regulating Devices

#### Gas Regulators

## Fisherbrand™ Heavy-Duty Single-Stage Regulators

- For noncorrosive gases
- Rugged forged brass body ensures strength
- Sintered metal filter inlet stem protects regulator from dirt
- Large 2-3/4" diameter (7cm) diaphragm assures accurate delivery pressure



Cat. No.	Description	Quantity
<b>Argon, Nitrogen, Helium</b>		
10-575-111	Delivery Range 5 to 125psi(MPa); CGA 580	Ea.
<b>Acetylene</b>		
10-575-106	Delivery Range 2-15psi(MPa); CGA 510	Ea.
<b>Hydrogen</b>		
10-575-114	Delivery Range 2-40psi(MPa); CGA 350	Ea.
<b>Oxygen</b>		
10-575-117	Delivery Range 5-125psi(MPa); CGA 540	Ea.
<b>Nitrous Oxide</b>		
10-575-119	Delivery Range 2-40psi(MPa); CGA 326	Ea.
<b>Air</b>		
10-575-108	Delivery Range 2-40psi(MPa); CGA 346	Ea.

## Fisherbrand™ High-Purity Brass Single-Stage Regulators

- Made from chrome-plated brass bar stock
- Ultrasonically cleaned and machined under statistical process control (SPC)
- 10-Micron stainless-steel inlet filter
- Low internal volume
- PCTFE seat
- Viton™ seal
- Diffusion-resistant 316L stainless-steel diaphragm packless valve on the outlet controls gas flow
- 2" (50.8mm) dual-scale gauges

Cat. No.	Description	Quantity
10-575-123	Delivery Range 2-40psi(MPa)	Ea.
10-575-124	Delivery Range 5-125psi(MPa)	Ea.
10-575-126	Delivery Range 20-500psi(MPa)	Ea.

## Fisherbrand™ High-Purity Stainless-Steel Single-Stage Regulators

- Ultrasonically cleaned 316L stainless-steel construction is highly resistant to inboard diffusion of air
- Electropolished 316L stainless-steel bar stock body
- 10-Micron sintered inboard filter, nozzle, poppet and other internal parts PCTFE seat
- PTFE-resin seals to minimize outgassing and contamination of gas stream
- Diffusion-resistant, 316L stainless-steel diaphragm packless valve installed on the outlet
- 2" (50.8mm) dual-scale gauges
- Withstand internal vacuums generated during purging operations



Cat. No.	Description	Quantity
10-575-127	Delivery Range 2-40psi(MPa)	Ea.
10-575-128	Delivery Range 5-125psi(MPa)	Ea.
10-575-129	Delivery Range 10-300psi(MPa)	Ea.
10-575-130	Delivery Range 20-500psi(MPa)	Ea.

## Fisherbrand™ Multistage Cylinder Regulators

- Feature neoprene diaphragms reinforced with nylon fabric, nylon seals, Orthane™ seats for first and second stages
- Dual-scale gauges, brass bonnet, internal self-reseating relief valve and easy pressure-adjusting knob
- Outlet needle valve with 1/4" NPT male thread



Cat. No.	Description	Quantity
10-575-131	Delivery gauge range: 1-15 psig; CGA: 510	Ea.
<i>Air Industrial</i>		
10-575-134	Delivery P: 1-40 (0.006-0.27)psig; CGA: 590	Ea.
<i>Carbon Dioxide</i>		
10-575-140	Delivery P: 1-125 (0.006-0.8)psig; CGA: 320	Ea.
<i>Cylinder regulator for CO2</i>		
10-575-139	Delivery pressure range psi (MPa): 1 to 40 (0.006 to 0.276);	Ea.
<i>Hydrogen</i>		
10-575-141	Delivery P: 1-40 (0.006-0.27)psig; CGA: 350	Ea.
10-575-142	Delivery P: 1-125 (0.006-0.8)psig; CGA: 350	Ea.
<i>Oxygen</i>		
10-575-144	Delivery P: 1-40 (0.006-0.27)psig; CGA: 540	Ea.
<i>Ar, N2, He</i>		
10-575-135	Delivery P: 1-40 (0.006-0.27)psig; CGA: 580	Ea.
10-575-136	Delivery P: 1-125 (0.006-0.8)psig; CGA: 580	Ea.
10-575-137	Delivery P: 1-250 (0.006-1.7)psig; CGA: 580	Ea.
10-575-138	Delivery P: 1-250 (0.006-2.24)psig; CGA: 580	Ea.

### Gauges

## Fisherbrand™ Diaphragm Pressure and Vacuum Gauges

- Diaphragm is phosphor bronze
- Serrated 0.25" (6.4mm) hose connection on bottom of gauge



Cat. No.	Description	Quantity
11-282B	0-760mmHg	Ea.

## Fisher Scientific™ Traceable™ Manometer Pressure/Vacuum Gauges

- Portable unit measures and displays differential pressure/vacuum in: psi, mbar, bar, cm/H<sub>2</sub>O, inch/H<sub>2</sub>O, feet/H<sub>2</sub>O, mm/Hg, inch/Hg, kg/cm<sup>2</sup>, oz./inch<sup>2</sup> and kPa
- Response time: 0.5 sec.
- Accuracy: ±0.3% of full-scale between 0 and 50°C
- Readings are shown on backlit display with 0.625"H (1.6cm) digits visible from 6 ft. Feature DATA HOLD button to freeze display and capture readings
- Memory key recalls highest and lowest readings
- Differential feature calculates the difference between two readings
- Zeroing is achieved at the touch of a button
- Display times up to 99 hours, 59 minutes, 59 seconds which allows the user to record when maximum or minimum pressure is achieved



Cat. No.	Description	Quantity
06-664-22	Divisions: 3mm	Ea.

### General Purpose Waste Disposal Containers

### Dry and Wet Waste Collection and Disposal Containers

## Fisherbrand™ Wet-Waste Containers

- Full-gauge 0.37" thick (0.95cm) acrylic construction
- Container with cover accepts wide-mouth funnel for easy disposal of liquid radioactive material
- Excess residue can be rinsed from funnel into jug to further reduce exposure
- Totally enclosed container with hinged cover is taller to accommodate both jug and funnel within its interior
- Accommodate 1 gal. (3.8L) jug
- Both designs feature nonskid feet



Cat. No.	Description	Quantity
12-009-8	6.5L x 6.5W x 12 in. H	Ea.

### Insulated Containers

## Fisherbrand™ Polyurethane Ice Buckets

- Capacity: 0.152 oz. (4.5L)
- Rigid polyurethane skinned-foam construction provides high durability and excellent insulating properties; buckets will not sweat or leak, and are unbreakable with normal use
- Resistant to acetone and easy to clean—can be chemically disinfected
- Withstand temperatures up to 95°C (203°F)
- Octagonal design will not deform; stable when full
- Molded handles enable safe handling and transport
- Flush lid with recessed handle allows stacking for convenient storage



Cat. No.	Description	Quantity
02-591-44	Color: Black	Ea.
02-591-45	Color: Blue	Ea.
02-591-46	Color: Red	Ea.

Microbiology Apparatus

Inoculating Loops and Needles

## Fisherbrand™ Astral™ Inoculation Device System

Calibrated using Evans Blue Dye spectrophotometric procedure and gravimetric method



- Free of DNA, RNase, DNase, pyrogens and PCR inhibitors
- Astral loops, needles, and Clone-Piks are packaged static free into individual tubular chambers, which are then hermetically sealed with aluminum film
- A dust cover is heat-shrunk onto the unit before it is irradiation sterilized
- Use on an individual basis, or for quantitative procedures such as sampling, urine counts, or serial dilutions

**To use:**

- Puncture aluminum film with the handle, pushing down until it attaches to the loop, needle, or Clone-Pik
- Withdraw handle; inoculation device is ready for many applications

Cat. No.	Description	Quantity
<b>Yellow</b>		
05-664-80	Astral Loop, 1uL	960/Cs.
<b>Blue</b>		
05-664-81	Astral Loop, 10uL	960/Cs.

## Fisherbrand™ Disposable Inoculating Loops and Needles

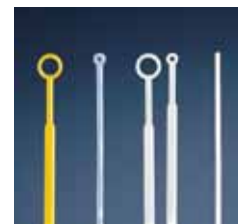
- Precision molded from a specially formulated, biologically inert polymer
- Combi Loop™ has a 10µL loop on one end and a 1µL loop on the other
- Include certificate of dimensional accuracy
- More convenient than metal loops; use a loop directly from the package, then throw it away
- Gamma irradiated for sterility in accordance with U.S. Pharmacopeia
- No flaming required, eliminating the hazards of open flames, spattering, cross-contamination, and the risk of infection from pathogens distributed by aerosol formation
- Length: 9" (23cm) Color coded for easy identification



Cat. No.	Description	Quantity
<b>White</b>		
22-363-602	Volume: 1u to 10uL	500/Pk.
<b>Blue</b>		
22-363-603	Volume: 1uL	250/Cs.
22-363-604	Volume: 1uL	960/Pk.
<b>Yellow, Individually wrapped</b>		
22-363-605	Volume: 10uL	250/Cs.
<b>Yellow</b>		
22-363-606	Volume: 10uL	1000/Cs.
22-363-607	Volume: 10uL	960/Pk.

## Fisherbrand™ Loops and Needles

- Disposable, sterile plastic loops and needles for quantitative procedures such as sampling, serial dilutions and urine counts, as well as for bacterial inoculation
- Molded from biologically inert polymer
- Flexible enough to facilitate streaking, yet rigid enough to penetrate the media for subsurface inoculation
- Gamma-irradiated for sterility in accordance with U.S. Pharmacopoeia
- Combi Loop has a 10µL loop on one end and a 1µL loop on the other
- All loops and needles are 9" (23cm) long
- Color coded for easy identification



Cat. No.	Description	Quantity
<b>Flexible Loop</b>		
22-363-601	Volume: 1u/10uL; Color: White	250/Cs.
22-363-595	Volume: 1uL; Color: Light blue	960/Pk.
22-363-608	Volume: 1uL; Color: Light Blue	250/Cs.
22-363-597	Volume: 10uL; Color: Yellow	960/Pk.
22-363-600	Volume:10u; Color: Yellow; Individual wrapped	250/Cs.
<b>Rigid Loop</b>		
22-363-598	Volume: 1uL; Color: Clear	1000/Cs.
22-363-599	Volume: 10uL, Light Blue	1000/Cs.
<b>Needle</b>		
22-363-596	Color: White	960/Pk.

## Fisherbrand™ Nichrome™ Inoculating Loop with Handle

- 100mm long with 8" (20cm) handle



Cat. No.	Description	Quantity
13-104-5	25 Gauge with 3-mm Loop (I.D.)	12/Pk.

## Fisherbrand™ Nichrome Inoculating Needles with Handles

- Consist of a straight wire fixed into an aluminum handle
- Handle is 7.25" long (18.4cm) and has a tapered end
- Wire is 100mm long



Cat. No.	Description	Quantity
14-956-101	24 Gauge	Ea.
14-956-100	26 Gauge	Ea.

## Fisherbrand™ Twisted Nichrome™ Inoculating Loops with Handles

- Aluminum handle is 7.25" long (18.4cm)
- Supplied with nichrome wire loop
- Length of wire is 100mm



Cat. No.	Description	Quantity
14-956-103	24 gauge; 3mm Loop (I.D.)	Ea.
14-956-104	24 Gauge; 5mm Loop (I.D.)	Ea.
14-956-102	26 Gauge; 2mm Loop (I.D.)	Ea.

## Fisherbrand™ Needle Holder



Cat. No.	Description	Quantity
11-474-202	Needle Holder	12/Pk.

### Mortars and Pestles

## Fisherbrand™ Porcelain Mortars

- With lip
- Deep form
- Export quality
- Color: white
- Available in various capacities



Cat. No.	Description	Quantity
FB-961-A	50mL; 70mm OD	Ea.
FB-961-B	65mL; 80mm OD	Ea.
FB-961-C	150mL; 90mm OD	Ea.
FB-961-D	275mL; 115mm OD	Ea.
FB-961-E	400mL; 130mm OD	Ea.
FB-961-F	750mL; 160mm OD	Ea.
FB-961-H	1100mL; 186mm OD	Ea.
FB-961-G	1900mL; 210mm OD	Ea.

## Fisherbrand™ Porcelain Pestle with Wooden Handle

- Porcelain head
- Wooden Non autoclavable handle
- Color: white
- Length: 9.3" (235mm)



Cat. No.	Description	Quantity
<i>Wooden handle</i>		
FB-961-R	For 1100mL mortar	Ea.

## Fisherbrand™ Porcelain Pestles

- Unglazed on grinding surface
- Autoclavable
- Oversized



Cat. No.	Description	Quantity
<i>Pestle length</i>		
FB-961-K	114mm	Ea.
FB-961-L	130mm	Ea.
FB-961-M	157mm	Ea.
FB-961-N	180mm	Ea.
FB-961-O	194mm	Ea.
FB-961-P	222mm	Ea.
FB-961-Q	262mm	Ea.

### Racks

#### Bottle Racks and Carriers

## Fisherbrand™ Polyethylene Safety Bottle Carriers

- Heavy-duty, high-density polyethylene (HDPE)
- Safe and easy method of carrying bottles



Cat. No.	Description	Quantity
03-439-75A	Unpartitioned	Ea.
03-439-75C	2 Compartments	Ea.
03-439-75B	With six compartments	Ea.
03-439-75D	8 Compartments	Ea.

### Drying Racks

## Fisherbrand™ High Impact Polystyrene (HIPS) Drying Rack

- Injection-molded, high-impact, light blue polystyrene
- Pegs hold cylinders, bottles, beakers and containers etc. and snap in or out easily when desired
- Comes with 72 large 4" long (10.2cm) pegs, expansion hanging hooks, draining tubes and fastening stoppers for coupling with additional racks
- Interchangeable pegs for use with test tubes available separately



Cat. No.	Description	Quantity
05-718-40	No. of holes: 72; Size: 43.1W x 60.9cm H	Ea.

**Flask Supports**

**Fisherbrand™ Cork Supports**

- Concave recesses support dishes and round-bottom flasks
- Durable



Cat. No.	Description	Quantity
07-835AA	For flask size: 10 to 100mL	Ea.
07-835A	For flask size: 200 to 500mL	Ea.
07-835B	For flask size: 1000 to 3000mL	Ea.

**Fisherbrand™ Round Covered Lead Flask Rings**

- Reduce costly breakage and spilling
- Closed ring fits over the flask and seats against the shoulder
- Tough chemical-resistant coating will not scratch flasks



Cat. No.	Description	Quantity
05-869-5	For 125 to 500mL Erlenmeyer flasks	Ea.
05-869-6	For 250-1000mL Erlenmeyer flasks	Ea.
05-869-7	For 500 to 2000mL Erlenmeyer flasks	Ea.

**Freezer Storage Racks**

**Fisherbrand™ Freezer Storage Racks**

- Store a variety of sample containers, including boxes, plates, and tubes
- High-quality, corrosion resistant stainless steel For use in all standard upright and chest freezers



Cat. No.	Description	Quantity
<i>For Upright freezers, 2 in. boxes</i>		
03-395-467	9 shelves (3 × 3 array)	Ea.
03-395-479	9 shelves (3 × 3 array)	Ea.
03-395-493	12 shelves (3 × 4 array)	Ea.
03-395-481	12 shelves (4 × 3 array)	Ea.
03-395-480	15 shelves (3 × 5 array)	Ea.
03-395-485	16 shelves (4 × 4 array)	Ea.
03-395-482	20 shelves (4 × 5 array)	Ea.
03-395-483	24 shelves (4 × 6 array)	Ea.
<i>For Upright freezers, 3 in. boxes</i>		
03-395-472	12 shelves (3 × 4 array)	Ea.
<i>For Upright freezers, 15 and 50mL centrifuge tube boxes</i>		
03-395-490	Holds 78 (50mL) tubes	Ea.

**Funnel Racks**

**Fisherbrand™ Six-Funnel Support**

- Adjustable for various funnel lengths from 5.5 to 10" (14 to 25cm) With no posts projecting above support to interfere



Cat. No.	Description	Quantity
14-735	Six-funnel	Ea.

**Labware Baskets**

**Fisherbrand™ Molded Polypropylene Baskets**

- Does not rust or corrode
- Autoclavable at 121°C (250°F)
- With tapered sides to give good support to tubes, reduce danger of breakage
- With tight-fitting polypropylene covers



Cat. No.	Description	Quantity
14-965B	Size: 6.5L × 6.5W × 6.125 H in.	Ea.
14-965C	Size: 9L × 9W × 9H in.	Ea.

**Fisherbrand™ Stainless-Steel Baskets**

- Lightweight, strong
- Withstand acid and alkali solutions
- Spot-welded construction



Cat. No.	Description	Quantity
13-814-56	L × W × H: 10 × 6 × 6 in. (25 × 15 × 15cm)	Ea.

**Fisherbrand™ Aluminum Baskets with Tilt-Top Lids**

- Ideal for rinsing or storing tubes
- Use cover to tilt baskets to a convenient angle for dispensing tubes



Cat. No.	Description	Quantity
13-807-18	L × W × H: 12.87 × 9 × 7 in. (32 × 23 × 18cm)	Ea.



Petri Dish Racks

## Fisherbrand™ Easyplate™ Petri Dish Racks

- Four channels hold 100mm Petri dishes
- Silicone holding strips grip each Petri dish; easily insert and remove groups of dishes without disturbing upper or lower dishes
- Side labels provide space for critical sample identification
- Inserted plates—media side up—remain suspended without needing the support of the lower plate



Cat. No.	Description	Quantity
<i>Natural, red, yellow, blue (Set of 4)</i>		
14-793-04	9 in. H; 48 Dishes	4/Pk.
<i>Blue</i>		
14-793-03	9 in. H; 48 Dishes	Ea.
<i>Natural</i>		
14-793-00	9 in. H; 48 Dishes	Ea.
<i>Red</i>		
14-793-01	9 in. H; 48 Dishes	Ea.
<i>Yellow</i>		
14-793-02	9 in. H; 48 Dishes	Ea.
<i>Blue</i>		
14-793-06	14 in. H; 84m Dishes	Ea.
<i>Natural</i>		
14-793-05	14 in. H; 84 Dishes	Ea.

Pipet Racks

## Fisherbrand™ MagPette™ Pipet Rack

- **Helps reduce bench clutter:** Simple and practical solution
- **Four powerful magnets:** Securely holds onto most metal surfaces
- **Material:** Robust shatter-resistant ABS plastic in bright, translucent purple color
- **Holds:** Two single-channel pipettes (fits most popular styles)



Cat. No.	Description	Quantity
120-066	Purple; L × W × H: 5.16 × 4.4 × 3 in. (131 × 112 × 76mm)	Ea.

Pipetter Racks Non-Charging

## Fisherbrand™ Pipetter Stand Workstation

- Rack holds up to six pipettors
- Bins house a generous supply of two different sizes of tips protected from dust by self-closure lid
- Bottom, sides, and top of rack are white acrylic
- Transparent front and cover on bins allow easy identification of types and quantities of tips on hand



Cat. No.	Description	Quantity
13-681-24	Two bins; 6.6L × 16.37W × 9 in. H	Ea.

## Fisherbrand™ Pipetter Stands

- One-position stand has a single insert hole 1.25" (31.8mm) in diameter
- Three-, four-, and six-position stands have both upper (1.03" [26.1mm]) and lower slots (0.625" [16mm] in diameter)
- Multichannel stand is clear acrylic with slots 1" (25.5mm) in diameter

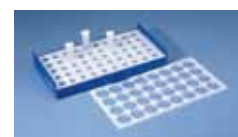


Cat. No.	Description	Quantity
06-667	4-Place; For single-channel pipettors; Acrylic	Ea.

Racks

## Fisherbrand™ Scinti-Rack™ System

- Suitable for sample preparation when adding scintillation cocktail; for use in water baths, especially for incubation, solubilization or to speed up chemiluminescence decay
- Chemically inert to scintillation liquids; decontaminates easily
- Multipurpose system consists of high-density polypropylene rack body and insert plates (sold separately)
- Holes in rack body prevent floating—assuring good heat transfer
- Insert plates easily transform rack body into convenient tray for Fisherbrand Scinti-6™ vials or Fisherbrand 20mL scintillation vials



Cat. No.	Description	Quantity
03-337-43	Rack body without insert	Ea.

Scissors

## Fisherbrand™ Heavyweight Long-Blade Scissors

- Special cutlery steel
- Double-plated chrome over nickel with black enameled handles



Cat. No.	Description	Quantity
14-275C	10 in. L; 5.375 in. cut	Ea.

## Fisherbrand™ Standard Dissecting Scissors

- Rockwell Hardness: HRC 46 to 50 Can be sterilized by EtO/Gamma radiation
- Passivated
- Autoclavable
- Inspected per U.S. Government specifications
- Produced under ISO 9001, cGMP Guidelines
- Sharp blades



Cat. No.	Description	Quantity
<i>Curved</i>		
08-951-25	Length: 5.125 in. (130mm)	Ea.
<i>Straight</i>		
08-951-20	Length: 6 in. (15cm)	Ea.

## Fisherbrand™ Utility Scissors

- Straight, ASTM™ F899-84 stainless-steel blades
- Rockwell hardness: HRC 46-50
- Passivated to avoid rust contamination
- Fully autoclavable
- Sterilizable by EtO and gamma radiation



Cat. No.	Description	Quantity
<b>Straight</b>		
08-945	Length: 4.5 in. (11.4cm)	Ea.

### Sieves

## Fisherbrand™ U.S. Standard Brass and Stainless-Steel Test Sieve Covers

Fit all 8 and 12" diameter (20.3 and 30.5cm) sieves.



Cat. No.	Description	Quantity
<b>Brass</b>		
04-886A	For 8 in. dia. sieves	Ea.
<b>Stainless-steel</b>		
04-881-46	With recessed ring; For 8 in. dia. sieves	Ea.
04-887A	For 8 in. dia. sieves	Ea.

## Fisherbrand™ U.S. Standard Brass and Stainless-Steel Test Sieve Receivers

Fit all 8 and 12" diameter (20.3 and 30.5cm) sieves.



Cat. No.	Description	Quantity
<b>Brass</b>		
04-886B	For 8 in. dia. sieves; Depth: 2 in.	Ea.
04-886D	For 12 in. dia. sieves; Depth: 3 in.	Ea.
<b>Stainless steel</b>		
04-887B	For 8 in. dia. sieves; Depth: 2 in.	Ea.

## Fisherbrand U.S. Standard Brass Test Sieves, 8" dia. × 2"D



Cat. No.	Description	Quantity
04-881DD	Nominal opening 53um; US Std. No. 270; Tyler No. 270	Ea.
04-881CC	Nominal opening 63um; US Std. No. 230; Tyler No. 230	Ea.
04-881BB	Nominal opening 75um; US Std. No. 200; Tyler No. 200	Ea.
04-881AA	Nominal opening 90um; US Std. No. 170; Tyler No. 170	Ea.
04-881Z	Nominal opening 106um; US Std. No. 140; Tyler No. 150	Ea.
04-881Y	Nominal opening 125um; US Std. No. 120; Tyler No. 115	Ea.
04-881X	Nominal opening 150um; US Std. No. 100; Tyler No. 100	Ea.
04-881W	Nominal opening 180um; US Std. No. 80; Tyler No. 80	Ea.
04-881V	Nominal opening 212um; US Std. No. 70; Tyler No. 65	Ea.
04-881U	Nominal opening 250um; US Std. No. 60; Tyler No. 60	Ea.
04-881T	Nominal opening 300um; US Std. No. 50; Tyler No. 48	Ea.
04-881S	Nominal opening 355um; US Std. No. 45; Tyler No. 42	Ea.
04-881R	Nominal opening 425um; US Std. No. 40; Tyler No. 35	Ea.
04-881Q	Nominal opening 500um; US Std. No. 35; Tyler No. 32	Ea.
04-881P	Nominal opening 600um; US Std. No. 30; Tyler No. 28	Ea.
04-881N	Nominal opening 710um; US Std. No. 25; Tyler No. 24	Ea.
04-881M	Nominal opening 850um; US Std. No. 20; Tyler No. 200	Ea.
04-881L	Nominal opening 1mm; US Std. No. 18; Tyler No.16	Ea.
04-881K	Nominal opening 1.18mm; US Std. No. 16; Tyler No. 14	Ea.
04-881J	Nominal opening 1.4mm; US Std. No. 14; Tyler No. 12	Ea.
04-881H	Nominal opening 1.7mm; US Std. No. 12; Tyler No. 10	Ea.
04-881G	Nominal opening 2mm; US Std. No. 10; Tyler No. 9	Ea.
04-881F	Nominal opening 2.36; Brass; 8 in. dia. × 2 in. D; US #8 mesh	Ea.

## Fisherbrand U.S. Standard Stainless Steel Sieves, 8" dia. x 2"D



Cat. No.	Description	Quantity
04-881-10FF	Nominal opening 38um; US Std. No. 400; Tyler No. 400	Ea.
04-881-10EE	Nominal opening: 45um; US Std. No. 325; Tyler No. 325	Ea.
04-881-10DD	Nominal opening: 53um; US Std. No. 270; Tyler No. 270	Ea.
04-881-10CC	Nominal opening: 63um; US Std. No. 230; Tyler No. 230	Ea.
04-881-10BB	Nominal opening: 75um; US Std. No. 200; Tyler No. 200	Ea.
04-881-10AA	Nominal opening 90um; US Std. No. 170; Tyler No. 170	Ea.
04-881-10Z	Nominal opening: 106um; US Std. No. 140; Tyler No. 150	Ea.
04-881-10Y	Nominal opening 125um; US Std. No. 120; Tyler No. 115	Ea.
04-881-10X	Nominal opening 150um; US Std. No. 100; Tyler No. 100	Ea.
04-881-10W	Nominal opening: 180um; US Std. No. 80; Tyler No. 80	Ea.
04-881-10V	Nominal opening: 212um; US Std. No. 70; Tyler No. 65	Ea.
04-881-10U	Nominal opening: 250um; US Std. No. 60; Tyler No. 60	Ea.
04-881-10T	Nominal opening 300um; US Std. No. 50; Tyler No. 48	Ea.
04-881-10S	Nominal opening: 355um; US Std. No. 45; Tyler No. 42	Ea.
04-881-10R	Nominal opening: 425um; US Std. No. 40; Tyler No. 35	Ea.
04-881-10Q	Nominal opening: 500um; US Std. No. 35; Tyler No. 32	Ea.
04-881-10P	Nominal opening: 600um; US Std. No. 30; Tyler No. 28	Ea.
04-881-10N	Nominal opening: 710um; US Std. No. 25; Tyler No. 24	Ea.
04-881-10M	Nominal opening: 850um; US Std. No. 20; Tyler No. 20	Ea.
04-881-10L	Nominal opening 1mm; US Std. No. 18; Tyler No.16	Ea.
04-881-10K	Nominal opening 1.18mm; US Std. No. 16; Tyler No. 14	Ea.
04-881-10J	Nominal opening 1.4mm; US Std. No. 14; Tyler No. 12	Ea.
04-881-10H	Nominal opening 1.7mm; US Std. No. 12; Tyler No. 10	Ea.
04-881-10G	Nominal opening 2mm; US Std. No. 10; Tyler No. 9	Ea.
04-881-10F	Nominal opening 2.36mm; US Std. No. 8; Tyler No. 8	Ea.
04-881-10E	Nominal opening 2.8mm; US Std. No. 7; Tyler No. 7	Ea.
04-881-10D	Nominal opening: 3.35mm; US std. No. 6; Tyler No. 6	Ea.
04-881-10C	Nominal opening 4mm; US Std. No. 5; Tyler No. 5	Ea.
04-881-10B	Nominal opening 4.75mm; U.S. Std. No. 4; 4 Tyler Equivalent	Ea.
04-881-10A	Nominal opening 5.6mm; US Std. No. 3-1/2; Tyler No. 3-1/2	Ea.

## Fisherbrand U.S. Standard Stainless Steel Test Sieves, 12" dia. x 3-1/4"D



Cat. No.	Description	Quantity
04-884-1BD	Nominal opening 45um; US Std. No. 325; Tyler No. 325	Ea.

### Supports for Apparatus

#### Gas Cylinder Supports

## Fisherbrand™ Gas Cylinder Support

- Nylon strap securely holds 4.5 to 11" diameter (11.4 to 28cm) cylinders upright
- Can be attached to benches up to 2.25" thick (5.7cm), with at least 1" (2.5cm) overhang



Cat. No.	Description	Quantity
10-595Q	Holds 4.5 to 11 in. diameter (11.4 to 28cm) cylinders upright	Ea.

#### Jacks

## Fisherbrand™ Lab-Jacks™

- For supporting hotplates, baths, glassware and other items requiring stable regulation
- 14-673-51, 14-673-52, 14-673-53 feature threaded holes to accommodate an 18.87" (48cm) long aluminum rod for mounting ring stands and other lab apparatus



Cat. No.	Description	Quantity
14-673-15	Plate L x W: 3 x 3 in.	Ea.
14-673-50	Plate L x W: 4 x 4 in.	Ea.
14-673-51	Plate L x W: 6 x 6 in.	Ea.
14-673-52	Plate L x W: 8 x 8 in.	Ea.
14-673-53	Plate L x W: 12 x 12 in.	Ea.

#### Stands and Rings

## Fisherbrand™ Heavy-Duty Rectangular Cast-Iron Support

- Concentric rings on tray provide convenient guide for positioning containers
- Height to top of rod is 35" (89cm)
- With steel rod and rubber feet to prevent sliding



Cat. No.	Description	Quantity
14-679Q	9-3/4 x 9-3/16 in. base	Ea.

## Fisherbrand™ Low-Cost Cast-Iron Tripod-Base Supports

- Base is heavy, rugged cast iron for stability
- Support rods and base precisely threaded to eliminate instability



Cat. No.	Description	Quantity
14-675BQ	Rod dia. × length: 0.37 × 20 in.	Ea.

## Fisherbrand™ Tough Rectangular Epoxyn™ Stands

- Base made of Epoxyn solid epoxy resin for maximum resistance to chemicals and mechanical abuse



Cat. No.	Description	Quantity
14-670A	Base: 4 × 6 in.; Rod dia. × L: 0.31 × 18 in.	Ea.
14-670B	Base size: 5 × 8 in.	Ea.
14-670C	Base: 6 × 9 in.; Rod dia. × L: 0.43 × 24 in.	Ea.
14-670D	Base: 6.5 × 11 in.; Rod dia. × L: 0.5 × 36 in.	Ea.

### Tongs

## Fisherbrand™ Beaker Tongs with Fiberglas™-Covered Jaws

- Stainless steel
- Handles beakers from 100-1500mL



Cat. No.	Description	Quantity
02-620	Length: 13 in. (33cm)	Ea.

## Fisherbrand™ Economical Crucible Tongs

- Accurately fabricated parts are flattened at the joint
- Fastened with a spun (not hammered) rivet
- Large finger openings facilitate firm grip and good control of tongs
- Corrosion resistant



Cat. No.	Description	Quantity
15-193	Length: 9 in. (23cm)	Ea.

## Fisherbrand™ Flask Tongs

- For Erlenmeyer or Florence flasks taking Nos. 4 to 8 stoppers
- All stainless steel



Cat. No.	Description	Quantity
10-062	Flask tongs	Ea.

## Fisherbrand™ Julian-Style Crucible Tongs

- Nickel-plated steel
- Curved ends
- Compressing guide



Cat. No.	Description	Quantity
15-210	Length: 22 in. (56cm)	Ea.

## Fisherbrand™ Jumbo Crucible Tongs

- Fabricated with integral forefinger and thumb openings
- Handle extends into palm
- Stainless steel



Cat. No.	Description	Quantity
15-207	Length: 18 in. (46cm)	Ea.

## Fisherbrand™ Stainless-Steel Crucible Tongs

- Precision instrument joint ordinarily found only on high-quality surgical instruments
- Carefully tapered, serrated tips meet precisely when closed
- Withstand high temperatures
- Won't rust



Cat. No.	Description	Quantity
15-186	Length: 9 in. (23cm)	Ea.

Trays

Plastic Trays

### Fisherbrand™ Polymeric Trays

- With welded corners and bottom
- Won't rust



Cat. No.	Description	Quantity
<b>High-density Polyethylene</b>		
15-236-2D	12L × 16W × 8 in.H (30.5 × 40.5 × 20.25cm)	Ea.
15-236-2E	16L × 16W × 8 in.H (40.5 × 40.5 × 20.25cm)	Ea.
15-236-2B	18L × 18W × 6 in.H (46 × 46 × 15.25cm)	Ea.
15-236-2C	18L × 24W × 6 in.H (46 × 61 × 15.25cm)	Ea.
15-236-2A	22L × 26W × 4 in.H (56 × 66 × 10cm)	Ea.
<b>Polypropylene</b>		
15-236-1A	10L × 15W × 3 in. H (25 × 38 × 7.6cm)	Ea.
15-236-1F	12L × 16W × 8 in.H (30.5 × 40.5 × 20.25cm)	Ea.
15-236-1B	15L × 20W × 3 in. H (38 × 51 × 7.6cm)	Ea.
15-236-1C	18L × 18W × 4 in. H (46 × 46 × 10cm)	Ea.
15-236-1E	20L × 20W × 6 in. H (51 × 51 × 15.25cm)	Ea.
15-236-1D	22L × 26W × 4 in. H (55.8 × 66 × 10cm)	Ea.

Tube Racks

Microtube Racks

### Fisherbrand™ 96-Well Rack for PCR Tubes

- Ideal for pre- or post-PCR sampling applications
- Imprinted alphanumeric grid for easy sample identification
- Removable lid provides flexibility
- Each pack contains five racks in assorted colors (blue, green, pink, yellow and orange)
- Capacity: Accommodates individual tubes or 8- or 12-tube strips in a 96-well array



Cat. No.	Description	Quantity
0344820	5L × 4W × 1.5 in. H (12.7 × 10.1 × 3.8cm)	5/Pk.

### Fisherbrand™ Microcentrifuge Tube Rack

- Blue polypropylene
- Does not float or move in circulating water baths
- Snaps securely together
- Racks are stackable even when completely loaded with test tubes
- Capacity: Accommodates 50 microtubes with lid open (without interfering) or 100 microtubes with lid closed or without lids



Cat. No.	Description	Quantity
14-810-31	Blue; For 1.5mL Microcentrifuge Tubes	5/Cs.

### Fisherbrand™ Microcentrifuge Tube Rack Cover

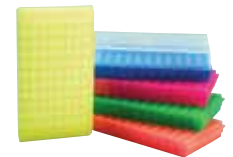
- Clear cover slides on to stay in place during transportation or storage
- Recessed area allows stacking



Cat. No.	Description	Quantity
05-541-28	For 96-well; White	5/Pk.

### Fisherbrand™ Microcentrifuge Tube Racks

- “Reversible,” autoclavable polypropylene racks Withstand freezer storage to –90°C (–194°F)
- Cone-shaped wells keep tubes centered and upright
- Alphanumeric index permits easy tube identification Choose from 12 colors and assorted packs
- Capacity: Hold 96 × 0.5mL tubes on one side or 96 × 1.5 to 2.0mL microcentrifuge tubes and screw-cap microcentrifuge tubes on the other



Cat. No.	Description	Quantity
05-541-38	Color: Fluorescent Assorted	5/Pk.
05-541-44	Color: Nonfluorescent Assorted	5/Pk.
05-541-39	Color: Fluorescent Blue	5/Pk.
05-541-40	Color: Fluorescent Green	5/Pk.
05-541-41	Color: Fluorescent Orange	5/Pk.
05-541-43	Color: Fluorescent Yellow	5/Pk.
05-541-37	Color: Black	5/Pk.
05-541-45	Color: Blue	5/Pk.
05-541-46	Color: Green	5/Pk.
05-541-36	Color: Lavender	5/Pk.
05-541-29	Color: Natural	5/Pk.
05-541-47	Color: Orange	5/Pk.
05-541-48	Color: Pink	5/Pk.
05-541-49	Color: Yellow	5/Pk.

### Fisherbrand™ Polypropylene Microtube Storage Racks

- Color-coded racks provide easy identification of specific laboratory procedures or individual technician's trays
- Each well is numbered for easy sample location
- Autoclavable and suitable for freezing
- Excellent for benchtop use, in storage or transport of samples
- Choose from 12 colors, including natural, plus assorted packs
- Capacity: Hold 80 screw-cap microcentrifuge tubes up to 2.0mL in a 16 × 5 array



Cat. No.	Description	Quantity
05-541-1	Color: Assorted (nonfluorescent)	5/Pk.
05-541-25	Color: Assorted (fluorescent)	5/Pk.
05-541-2	Color: Blue	5/Pk.
05-541	Color: Natural	5/Pk.



Multiple Sized Tube Racks

## Fisherbrand™ Interlocking Four-Way Tube Racks

- Rugged polypropylene racks accommodate tubes from 0.5 to 50mL by simply turning the rack
- Autoclavable



Cat. No.	Description	Quantity
03-448-17	Color: Assorted	5/Pk.
03-448-12	Color: Blue	5/Pk.
03-448-11	Color: Natural	5/Pk.

## Fisherbrand™ MagRack™ Magnetic Tube Rack

- **Helps reduce bench clutter:** Simple and practical solution
- **Four powerful magnets:** Securely holds onto most metal surfaces
- **Material:** Robust shatter-resistant ABS plastic in bright, translucent teal color
- **Holds:** Four 50mL and nine 15mL tubes



Cat. No.	Description	Quantity
120-068	Teal; Holds 4 × 50mL and 9 × 15mL tubes; L × W × H: 5.16 × 4.4 × 2.52 in. (131 × 112 × 64mm)	Ea.

Test Tube Racks

## Fisherbrand™ Poxygrid™ Centrifuge Racks

- Hold 50mL plastic centrifuge tubes
- Made of epoxy-coated steel wire
- Autoclavable



Cat. No.	Description	Quantity
14-791-6A	No. of Places: 8	Ea.
14-791-6B	No. of Places: 16	Ea.
14-791-6C	No. of Places: 36	Ea.

## Fisherbrand™ Poxygrid™ Test Tube Racks

- Epoxy-coatings are unaffected by organic solvents, salts, weak acids and weak alkalis
- Three decks and no legs with a slotted grid bottom
- Square holes hold test tubes securely
- Reinforced edges
- Autoclavable: withstand temperatures to 121°C (250°F)



Cat. No.	Description	Quantity
<b>For tube size: 13mm</b>		
14-793-14	72 places; 6 × 12 rows	Ea.
14-793-15	108 places; 9 × 12 rows	Ea.
<b>For tube size: 16mm</b>		
14-793-11	48 places; 4 × 12 rows	Ea.
14-793-12	72 places; 6 × 12 rows	Ea.
<b>For tube size: 18 to 20mm</b>		
14-793-9	40 places; 4 × 10 rows	Ea.
<b>For tube size: 20mm</b>		
14-793-10	80 places; 8 × 10 rows	Ea.
<b>For tube size: 22 to 25mm</b>		
14-793-6	40 places; 4 × 10 rows	Ea.
<b>For tube size: 40mm</b>		
14-793-2	48 places; 4 × 12 rows	Ea.

## Fisherbrand™ Three-Tier Polypropylene Test Tube Racks

- Stack empty or loaded with tubes up to 10cm (4") long
- Autoclavable to 121°C (250°F)
- With convenient end plate handles for carrying
- Rows are numbered and lettered for easy referencing
- White surfaces make color comparison easy
- Sturdy and chemical-resistant, will not shatter or stain



Cat. No.	Description	Quantity
14-809-A	Holds 10-13mm tubes; 72 places; 6 × 12 rows	Ea.
14-809-AA	Holds 13-16mm tubes; 40 places; 4 × 10 rows	Ea.
14-809-B	Holds 16-20mm tubes; 40 places; 4 × 10 rows	Ea.
14-809-C	Holds 21-25mm tubes; 40 places; 4 × 10 rows	Ea.
14-809-D	Holds 26-30mm tubes; 24 places; 3 × 8 rows	Ea.

## Fisherbrand™ Two-Tier Polypropylene Test Tube Racks

- Hold serum vials, RIA vials, T<sub>3</sub> or T<sub>4</sub> reaction vials, or any other vial or tube of same dimensions
- Won't rust or corrode
- Lightweight
- Autoclavable



Cat. No.	Description	Quantity
<i>For 10 to 13mm tubes</i>		
03213	No. of places: 72	Ea.
<i>For 20 to 30mm tubes</i>		
0333713	No. of places: 24	Ea.
<i>For 13 to 16mm tubes</i>		
1480920	No. of places: 40	Ea.
<i>For 16 to 20mm tubes</i>		
1480921	No. of places: 40	Ea.

## Fisherbrand™ White Vinyl-Coated Test Tube Racks with Legs

- Epoxy-coated, heavy-gauge steel wire racks with three decks and legs
- Reduce noise; extremely impact resistant
- Usable at temperatures to 100°C (212°F)
- Autoclavable



Cat. No.	Description	Quantity
<i>For 16mm Tubes</i>		
14-790-4	Holds 48	Ea.

### Biologicals

#### Enzymes - Modifying

## OPTIZYME™ Alkaline Phosphatase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME™ Alkaline Phosphatase dephosphorylates cloning vector DNA (10min at 37°C)
- Fast thermoinactivation (5min at 75°C)
- Simultaneous digestion and dephosphorylation of vector DNA
- Single protocol for all types of DNA ends
- Nucleotide degradation prior to sequencing PCR products
- Active on nucleotides
- Protein dephosphorylation
- Active in all OPTIZYME restriction enzyme buffers

Cat. No.	Description	Quantity
BP8097-1	1000U	Ea.
BP8097-5	3000U	Ea.

## OPTIZYME™ DNA Polymerase I, Fisher BioReagents™

### Applications and Features:

- OPTIZYME DNA Polymerase I labels DNA by nick translation in conjunction with DNase I.
- Second-strand cDNA synthesis in conjunction with RNase H.
- Incorporation of modified nucleotides (e.g., biotin-, digoxigenin-, aminoallyl-, fluorescently-labeled nucleotides).
- Active in buffers for OPTIZYME restriction enzymes and reverse transcriptases.

Cat. No.	Description	Quantity
BP8109-1	500U	Ea.
BP8109-5	2500U	Ea.

## OPTIZYME™ DNase I (RNase-Free), Fisher BioReagents™

### Applications and Features:

- OPTIZYME DNase I, RNase-Free is used for the preparation of DNA-free RNA
- Removal of template DNA following in vitro transcription
- DNA labeling by nick translation in conjunction with DNA Polymerase I
- Preparation of DNA-free RNA prior to RT-PCR
- Studies of DNA-protein interactions by DNase I, RNase-free footprinting
- Enzyme activity is strictly dependent on Ca<sup>2+</sup> and is activated by Mg<sup>2+</sup> or Mn<sup>2+</sup> ions
- Purified from non-animal host with a lower level of intrinsic RNases

Cat. No.	Description	Quantity
BP8107-1	1000U	Ea.

## OPTIZYME™ Exonuclease III, Fisher BioReagents™

### Applications and Features:

- OPTIZYME Exo III creates unidirectional deletions in DNA fragments in conjunction with S1 Nuclease
- Cloning of PCR products
- Generation of single-stranded template for dideoxy-sequencing of DNA
- Site-directed mutagenesis
- Preparation of strand specific probes
- Active in buffers for OPTIZYME restriction enzymes
- 3'→5' exodeoxyribonuclease activity: Degradation of dsDNA from blunt ends, 5'-overhangs or nicks and production of stretches of ssDNA.
- 3'-phosphatase activity: Removal of 3'-terminal phosphate groups and generation of 3'-OH groups.
- RNase H activity: Degradation of RNA strands in DNA/RNA hybrids.
- Apurinic/apyrimidinic-endonuclease activity: Cleavage of phosphodiester bonds at apurinic or apyrimidinic sites to produce 5'-termini that are base-free deoxyribose 5'-phosphate residues

Cat. No.	Description	Quantity
BP8108-1	4000U	Ea.

## OPTIZYME™ Klenow Fragment, Fisher BioReagents™

### Applications and Features:

- OPTIZYME Klenow Fragment blunts DNA ends by filling in 5'-overhangs
- Random-primed DNA labeling
- Labeling by filling in 5'-overhangs of double-stranded DNA
- Random-primed DNA labeling
- DNA sequencing by the Sanger Method
- Second strand synthesis of cDNA
- Site-specific mutagenesis of DNA with synthetic oligonucleotides
- Active in buffers for OPTIZYME restriction enzymes, reverse transcriptases and T4 DNA ligase
- Incorporates modified nucleotides (e.g., Cy3-, Cy5-, aminoallyl, biotin-, digoxigenin-, and fluorescently-labeled nucleotides)
- Lacks the 5'→3' exonuclease activity of DNA Polymerase I

Cat. No.	Description	Quantity
BP8106-1	300U	Ea.
BP8106-5	1500U	Ea.

## OPTIZYME™ M-MLV Reverse Transcriptase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME M-MLV RT is used for efficient first strand cDNA synthesis for RT-PCR and real-time RT-PCR (up to 13kb)
- Generation of labeled cDNA probes for microarrays
- Synthesis of cDNA for cloning and expression
- Analysis of RNA by primer extension
- DNA labeling
- Optimum activity at 42°C (active up to 50°C)
- Incorporates modified nucleotides (e.g., Cy3-, Cy5-, rhodamine-, aminoallyl-, fluorescein-labeled nucleotides)

Cat. No.	Description	Quantity
BP8104-1	5000U	Ea.
BP8104-5	25000U	Ea.

## OPTIZYME™ SP6 RNA Polymerase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME™ SP6 RNA Polymerase synthesizes unlabeled and labeled RNA that can be used for: (1) hybridization, (2) in vitro RNA translation, (3) RNase protection assays, (4) genomic DNA sequencing, (5) RNA splicing, and (6) studies of RNA secondary structure and RNA-protein interactions
- Incorporation of modified nucleotides (e.g., aminoallyl-, biotin-, fluorescein-, digoxigenin-labeled nucleotides)

Cat. No.	Description	Quantity
BP8100-1	2000U	Ea.
BP8100-5	10000U	Ea.

## OPTIZYME™ T3 RNA Polymerase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME™ T3 RNA Polymerase synthesizes unlabeled and labeled RNA that can be used for: (1) hybridization, (2) in vitro RNA translation, (3) RNase protection assays, (4) genomic DNA sequencing, (5) RNA splicing, and (6) studies of RNA secondary structure and RNA-protein interactions
- Incorporation of modified nucleotides (e.g., aminoallyl-, biotin-, fluorescein-, digoxigenin-labeled nucleotides)

Cat. No.	Description	Quantity
BP8101-1	1000U	Ea.
BP8101-5	5000U	Ea.

## OPTIZYME™ T4 DNA Ligase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME™ T4 DNA Ligase is used to clone restriction enzyme generated DNA fragments
- Fast sticky end ligation (10min at room temperature)
- Cloning PCR products
- Ligation of double-stranded oligonucleotide linkers or adaptors to DNA
- Site-directed mutagenesis
- Amplified fragment length polymorphism
- Ligase-mediated RNA detection
- Nick repair in duplex DNA, RNA or DNA/RNA hybrids
- Active in buffers for OPTIZYME restriction enzymes

Cat. No.	Description	Quantity
BP8099-1	100U	Ea.
BP8099-5	500U	Ea.
BP8099-15	1500U	Ea.

## OPTIZYME™ T4 DNA Polymerase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME T4 DNA Polymerase creates blunt DNA ends by filling in 5'-overhangs and/or removing 3'-overhangs
- Creation of blunt PCR products with 3'-dA overhangs
- Oligonucleotide-directed site-specific mutagenesis
- Synthesis of labeled DNA probes (by replacement reaction)
- Ligation-independent cloning of PCR products
- Active in buffers for OPTIZYME restriction enzymes, reverse transcriptases and T4 DNA ligase
- 3'→5' exonuclease activity
- Lacks 5'→3' exonuclease activity

Cat. No.	Description	Quantity
BP8105-1	100U	Ea.
BP8105-5	500U	Ea.

## OPTIZYME™ T4 Polynucleotide Kinase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME™ T4 PNK labels 5'-termini of nucleic acids (for use as: probes for hybridization or transcript mapping, primers for PCR or DNA sequencing, and markers for gel-electrophoresis)
- 5'-phosphorylation of oligonucleotides, PCR products, and other DNA or RNA prior to ligation
- Phosphorylation of PCR primers
- Removal of 3'-phosphate groups
- Active in buffers for OPTIZYME restriction enzymes, T4 DNA Ligase and Reverse Transcriptases

Cat. No.	Description	Quantity
BP8098-1	500U	Ea.
BP8098-5	2500U	Ea.

## OPTIZYME™ T7 RNA Polymerase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME T7 RNA Polymerase synthesizes unlabeled and labeled RNA that can be used for: (1) hybridization, (2) in vitro RNA translation, (3) RNase protection assays, (4) genomic DNA sequencing, (5) RNA splicing, and (6) studies of RNA secondary structure and RNA-protein interactions
- Incorporation of modified nucleotides (e.g., aminoallyl-, biotin-, fluorescein-, digoxigenin-labeled nucleotides)

Cat. No.	Description	Quantity
BP8102-1	5000U	Ea.
BP8102-5	25000U	Ea.

## OPTIZYME™ Terminal Deoxynucleotidyl Transferase, Fisher BioReagents™

### Applications and Features:

- OPTIZYME TdT produces synthetic homo- and heteropolymers
- Homopolymeric tailing of linear duplex DNA with any type of 3'-OH terminus
- Oligodeoxyribonucleotide and DNA labeling
- 5'-Rapid Amplification of cDNA Ends (5'-RACE)
- In situ localization of apoptosis
- Incorporation of modified nucleotides (e.g., fluorescein-, biotin-, aminoallyl-labeled nucleotides)

Cat. No.	Description	Quantity
BP8103-1	300U	Ea.
BP8103-5	1500U	Ea.

### Microbiology Media

#### Dehydrated Microbiology Media

## Fisher BioReagents™ Granulated Agar

Cat. No.	Description	Quantity
BP1423500	Poly Bottly; 500g	Ea.

## Fisher BioReagents™ Microbiology Media and Additives

- Dehydrated; used to prepare microbiological culture media
- Included are three modifications of the Luria-Bertani formula, used for growing molecular biology strains of *E. coli*-containing recombinant plasmids



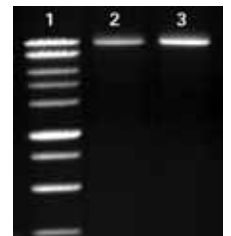
Cat. No.	Description	Quantity
BP1425500	LB Agar, Miller; 500g	Ea.
BP1427500	Broth Lennox; 500g	Ea.
BP1427-2	LB Broth, Lennox; 2kg	Ea.
BP1426500	LB Broth, Miller (granular); 500g	Ea.
BP1420500	Peptone; 500g	Ea.
BP1421-2	Tryptone; 2kg	Ea.
BP1422-500	Yeast extract; 500g	Ea.

### Nucleic Acids and Components

#### Nucleotides

## Fisher BioReagents™ *exACTGene*™ dNTPs

- >99% triphosphate
- Chemically synthesized to meet a high purity standard
- Ensure consistent results and optimum sensitivity for many rigorous applications
- Tested for purity by HPLC, performance in long-template PCR, and absence of DNase, RNase, and protease activity to ensure dependable performance and lot-to-lot consistency
- Ultrapure dNTPs will enhance results for the following procedures: QPCR, high-fidelity PCR, long template (>8kb) PCR, RT-PCR, fluorescent sequencing, cDNA synthesis, Pyrosequencing™, and in vitro mutagenesis



Cat. No.	Description	Quantity
BP2590-250	dATP; 250uL	Ea.
BP2592-250	dCTP; 250uL	Ea.
BP2591-250	dGTP; 250uL	Ea.
BP2595-200	dNTP Mix; 200uL	Ea.
BP2595-1	dNTP Mix; 1000uL	Ea.
BP2594-250	dNTP Set; 250uL	Ea.
BP2594-500	dNTP Set; 500uL	Ea.
BP2593-250	dTTP; 250uL	Ea.

### Proteins

#### Proteins A

## Fisher BioReagents™ Bovine Serum Albumin, Fraction V, Cold-ethanol Precipitated

CAS: 9048-46-8

Cat. No.	Description	Quantity
BP1605100	Poly bottle; 100g	Ea.

**Consumables**

**Apparel**

**Aprons and Sleeves**

## Fisherbrand™ Resin-Coated Aprons

- Synthetic resin coating over cotton/polyester fabric is longer lasting than rubber
- Color: Brown



Cat. No.	Description	Quantity
01-353B	46 × 36 in. (117 × 91cm)	Ea.

**Beard Covers**

## Fisherbrand™ Polypropylene Beard Cover

- Cool, nonflammable, nonparticulating Comfortable elastic seams
- Latex-free
- White



Cat. No.	Description	Quantity
19-098-917	Regular	100/Pk.

**Boot and Shoe Covers**

## Fisherbrand™ Polylatex Shoe Covers

- Constructed of blue polylatex fabric
- With seamed or seamless bottom
- Elastic ankle for comfortable fit



Cat. No.	Description	Quantity
<b>Seamed Bottom</b>		
19-098-927	Regular	50/Pk.
<b>Seamless Bottom</b>		
19-098-930	X-Large	50/Pk.
<b>Seamed Bottom</b>		
19-098-929	X-Large	50/Pk.
<b>Seamless bottom</b>		
19-098-928	Regular	50/Pk.

## Fisherbrand™ Heavyweight Polypropylene Shoe Covers

- Available with or without nonskid surface
- Elastic ankles



Cat. No.	Description	Quantity
<b>With nonskid surface</b>		
19-098-923	Regular	50/Pk.
<b>Without nonskid surface</b>		
19-098-921	Regular	50/Pk.

**Caps Hoods Hairnets**

## Fisherbrand™ Latex-Free Polypropylene Bouffant Caps

- High filtration yet breathable
- Disposable



Cat. No.	Description	Quantity
<b>White</b>		
19-098-910	Dia.: 18 in. (46cm)	100/Pk.
19-098-912	Dia.: 28 in. (71cm)	100/Pk.
19-098-913	Dia.: 21 in. (53cm)	100/Pk.
19-098-914	Dia.: 24 in. (61cm)	100/Pk.
<b>Blue</b>		
19-098-915	Dia.: 21 in. (53cm)	100/Pk.
19-098-916	Dia.: 24 in. (61cm)	100/Pk.

**Facemasks**

## Fisherbrand™ Facemask with Polyfiltration Medium

- Bacteria filtration exceeds 92% at 1.0µm
- Three-ply construction with two sets of Tyvek™ ties
- Surgical style
- ISO Class 5 compatible



Cat. No.	Description	Quantity
01-361-92	Three-ply facemask with polyfiltration medium	400/Cs.



Facemasks - Controlled Environments Facemasks

### Fisherbrand™ Facemasks

- Bacterial filtration efficiency is 99%
- Layers ultrasonically welded to reduce particle generation
- Blue outer layer with white inner layer
- Elastic ear loops or polypropylene ties, with or without plastic clip



Cat. No.	Description	Quantity
18-960B	With earloops	500/Cs.
18-960A	With earloops and clip	600/Cs.
18-960C	With ties	300/Cs.

Lab Coats - General Purpose Lab Coats - Multiple Use

### Fisherbrand™ Counter Coats

- 5 oz. performance blend 80/20 poly/combed cotton poplin Pre-cured durable press with soil-release treatment
- Button closure
- One-piece, lined, notched lapel collar
- Left breast pocket with bartacked pencil stall and two lower pockets
- White



Cat. No.	Description	Quantity
19-166-317	Large	Ea.
19-166-321	X-Small	Ea.
19-166-320	X-Large	Ea.
19-166-318	Medium	Ea.
19-166-319	Small	Ea.

### Fisherbrand™ Men's Poly/Cotton Lab Coats

- Made of 80/20 polycotton, 5 oz. performance-blend fabric
- One-piece, lined, notched lapel collar
- Front gripper closures
- Two outside lower pockets with one left breast pocket White



Cat. No.	Description	Quantity
19-166-260	Small	Ea.
19-166-261	Medium	Ea.
19-166-262	Large	Ea.
19-166-263	X-Large	Ea.
19-166-264	XX-Large	Ea.

### Fisherbrand™ Unisex Lab Coats

- Made of 80/20 polycotton, 5 oz. performance-blend fabric
- Precured durable press with soil-release treatment
- One-piece, lined, notched lapel collar
- 100% polyester-knit cuffs
- Front gripper closures
- One outside left breast pocket, two outside lower pockets Length: 41.5" (105cm) based on a size medium
- White



Cat. No.	Description	Quantity
19-166-223	X-Small	Ea.
19-166-224	Small	Ea.
19-166-225	Medium	Ea.
19-166-226	Large	Ea.
19-166-227	X-Large	Ea.
19-166-228	XX-Large	Ea.
19-166-229	XXX-Large	Ea.
19-166-233	4X-Large	Ea.
19-166-234	5X-Large	Ea.

Bags  
Autoclaving Bags

### Fisherbrand™ Holders for Biohazard Autoclave Bags

- High-density polyethylene container with rigid low-density polyethylene lid with knob
- Lid fits securely to seal against hazardous aerosols
- Containers have integral handle for easy transporting
- For use on benchtop or floor
- Accept bags with minimum width of 12, 16 and 20" (30.5, 40.6 and 50.8cm)



Cat. No.	Description	Quantity
14-375-176	Capacity: 24 qt.	Ea.
14-375-177	Capacity: 48 qt.	Ea.

## Fisherbrand™ Instant Sealing Sterilization Pouches

- Triple heat-processed seams provide excellent tear and puncture resistance
- Suitable for steam or EtO gas sterilization
- Indicator arrows change color when sterilization cycle is complete
- Made of paper/plastic; medical-grade paper side guards against puncture
- 2mil-thick blue transparent polyester/polypropylene laminate film side allows contents to be identified quickly and shows any compromise in the film
- Corner tack seals prevent contamination in the seal area
- Thumb notch makes opening pouch easy



Cat. No.	Description	Quantity
01-812-50	3.5 × 5 in.	200/Pk.
01-812-51	3.5 × 9 in.	200/Pk.
01-812-54	5.25 × 10 in.	200/Pk.
01-812-55	7 × 13 in.	200/Pk.
01-812-57	10 × 15 in.	100/Pk.
01-812-58	12 × 18 in.	100/Pk.

## Fisherbrand™ Orange Autoclave Bags With Sterilization Indicator

- Maximum temperature of 140°C (285°F); use at 125°C (257°F)
- Printed in English and Spanish
- Come with wire-tie closures



Cat. No.	Description	Quantity
01-815-1	Size: 8.5W × 11 in. L	100/Pk.
01-814A	Size: 14W × 19 in. L	200/Pk.
01-814B	Size: 19W × 23 in. L	200/Pk.
01-814C	Size: 25W × 35 in. L	200/Pk.
01-814D	Size: 38W × 47 in. L	100/Pk.

## Fisherbrand™ Orange Autoclave Bags without Sterilization Indicator

- Maximum temperature, 127°C (260°F); use at 121°C (250°F)
- Printed in English
- Bags not supplied with wire-tie closures



Cat. No.	Description	Quantity
01-815A	Size: 24L × 12 in. W	100/Cs.
01-815B	Size: 24W × 30 in. L	100/Cs.
01-815C	Size: 24W × 35 in. L	100/Cs.

## Fisherbrand™ Polyethylene Biohazard Autoclave Bags

- Maximum temperature, 127°C (260°F); for use at 121°C (250°F)
- All bags supplied with autoclavable elastic steam-venting closures except 1.5mil-thick plain clear bags



Cat. No.	Description	Quantity
<b>Clear</b>		
01-814-2	Plain; 1.5mil; Size: 24 × 30 in.	200/Pk.
01-827B	Printed; 1.5mil; Size: 12 × 24 in.	200/Pk.
01-827C	Printed; 1.5mil; Size: 24 × 30 in.	200/Pk.
01-827D	Printed; 1.5mil; Size: 24 × 36 in.	200/Pk.
<b>Red</b>		
01-829A	Printed; 1.5mil; Size: 8 × 12 in.	200/Pk.
01-829B	Printed; 1.5mil; Size: 14 × 19 in.	200/Pk.
01-829D	Printed; 1.5mil; Size: 25 × 35 in.	200/Pk.
01-829F	Printed; 1.5mil; Size: 33 × 30 in.	200/Pk.
01-829E	Printed; 1.5mil; Size: 38 × 48 in.	100/Pk.
01-831A	Printed; 4mil; Size: 24 × 36 in.	100/Cs.

## Fisherbrand™ Polypropylene Biohazard Autoclave Bags

- Maximum temperature, 140°C (285°F); for use at 134°C (274°F)
- 2mil thick
- Supplied with autoclavable elastic steam-venting closures



Cat. No.	Description	Quantity
<b>Clear</b>		
01-826-4	Plain; Size: 10 × 15 in.	200/Pk.
01-826-5	Plain; Size: 12 × 24 in.	200/Pk.
01-826-6	Plain; Size: 24 × 30 in.	200/Pk.
01-826-7	Plain; Size: 24 × 36 in.	200/Pk.
01-826A	Printed; Size: 12 × 24 in.	200/Pk.
01-826B	Printed; Size: 24 × 30 in.	200/Pk.
01-826C	Printed; Size: 24 × 36 in.	200/Pk.
01-826D	Printed; Size: 31 × 38 in.	200/Pk.
01-826E	Printed; Size: 37 × 48 in.	100/Pk.
<b>Red</b>		
01-830A	Plain; Size: 8 × 12 in.	200/Pk.
01-830C	Plain; Size: 19 × 23 in.	200/Pk.
01-830D	Plain; Size: 25 × 35 in.	200/Pk.
01-830E	Plain; Size: 37 × 48 in.	100/Pk.
01-828A	Printed; Size: 8 × 12 in.	200/Pk.
01-828B	Printed; Size: 14 × 19 in.	200/Pk.
01-828C	Printed; Size: 19 × 23 in.	200/Pk.
01-828D	Printed; Size: 25 × 35 in.	200/Pk.
01-828E	Printed; Size: 37 × 48 in.	100/Pk.

**Hazardous Waste Disposal Bags**

### Fisherbrand™ Biohazard Specimen Bags

- Two-pouch bags constructed of polyethylene
- 2mil-thick zipper-seal pouch holds specimen container
- Separate 1.5mil-thick pocket for papers Each bag printed with biohazard graphics in orange and blue



Cat. No.	Description	Quantity
19-075-388E	Size: 5 × 9 in.	1000/Cs.
19-075-388D	Size: 6 × 10 in.	1000/Cs.
19-075-388F	Size: 10 × 10 in.	1000/Cs.

### Fisherbrand™ Biohazard Specimen Transport Bags

- Clear polyethylene with three-wall construction and large printed biohazard graphic
- Reclosable zipper seal



Cat. No.	Description	Quantity
01-800-00	Size: L × W: 4 × 6 in.	1000/Cs.
01-800-01	Size: L × W: 6 × 6 in.	1000/Cs.
01-800-03	w/Large printed biohazard graphic; Size: 6 × 9 in.	1000/Cs.
01-800-06	Size: L × W: 6 × 9 in.; With scoreline	1000/Cs.
01-800-02	No print; Clear; Size: 6 × 9 in.	1000/Cs.
01-800-07	Size: L × W: 8 × 8 in.	1000/Cs.
01-800-08	w/Large printed biohazard graphic; Size: 8 × 10 in.	1000/Cs.
01-800-09	Printed; Size: L × W: 12 × 15 in. (30 × 38cm)	1000/Cs.

**Sample Bags**

### Fisherbrand™ “Zipper” Seal Sample Bags

- Durable, transparent polyethylene
- Ideal for collecting, storing, and protecting laboratory specimens and samples easily and conveniently
- Clear, print-free surface lets user mark and label each bag separately



Cat. No.	Description	Quantity
<b>2mil</b>		
01-816-1A	3L × 2 in. W (7 × 5cm)	1000/Cs.
01-816-1B	5L × 3 in. W (13 × 7cm)	1000/Cs.
01-816-1C	6L × 4 in. W (15 × 10cm)	1000/Cs.
01-816-1D	8L × 5 in. W (20 × 13cm)	1000/Cs.
01-816-1E	12L × 9 in. W (30 × 23cm)	1000/Cs.
<b>4mil</b>		
01-816A	6L × 4 in. W (15.2 × 10.16cm)	50/Pk.
01-816D	8L × 5 in. W (20 × 13cm)	50/Pk.
01-816B	13L × 6 in. W (33 × 15.2cm)	50/Pk.
01-816E	13L × 9 in. W (33 × 23cm)	50/Pk.
01-816C	18L × 9 in. W (46 × 23cm)	50/Pk.
01-816F	26L × 9 in. W (66 × 23cm)	50/Pk.

### Fisherbrand™ Bitran™ Specimen Storage Bags

- Use for collecting, transporting and storing tissue specimens
- Minimize storage space and help to eliminate leakage, breakage and contamination
- Resealable double-lock zipper closure
- Designed for storage of tissues and fixatives and for use as mini-anaerobic environments



Cat. No.	Description	Quantity
<b>Polyethylene</b>		
19-240-192	Size: 6 × 6 in.	250/Pk.
<b>Saranex</b>		
19-240-127	Size: 7 × 8 in.	250/Pk.

### Fisherbrand™ Heavy-Paper Lined Sample Bags

- Heavy-paper bags lined with 1mil-thick polyethylene
- Heat sealed at bottom to prevent seepage
- Tin-tie closure ensures moisture retention



Cat. No.	Description	Quantity
01-818-11	Size: 5 × 3 × 9 in.	500/Cs.

### Fisherbrand™ Lab Blender Bags

- All bags irradiated sterile at 10-25kGy
- Highly transparent high-quality food grade virgin LDPE granule extruded tube material
- Withstand extensive blending without tears or perforations
- No side seams, one wide bottom seal
- Filtered bags with strainer element make it easier to pipet samples; 0.5mm pore size prevents pore blockage and non-homogenous sample
- Bag thickness: 75µm or 3mil
- Sample capacities: 5–80mL (6 × 4" bags); 80–400mL (12 × 7" bags); 400–3500ML (20 × 15" bags)



Cat. No.	Description	Quantity
<b>Filtered</b>		
14-258-206	Strainer; Sample capacity: 80-400mL; 12L × 7 in. W	100/Pk.
<b>Standard</b>		
14-258-205	Sample capacity: 80 to 400mL; 12L × 7 in. W	250/Pk.

## Fisherbrand™ Opaque Sterile Sampling Bag

- Made from highly resistant, LDPE virgin polyethylene tubing
- RNase, DNase, and pyrogen free
- LDPE tubing extruded at temperatures from 220° to 240°C, guaranteeing internal sterility
- Product sterility verified through random testing with independent labs
- With write-on strip and safety-tab closures
- Thickness, 3mil



Cat. No.	Description	Quantity
01-002-92	Capacity: 18 oz.	500/Pk.

## Fisherbrand™ Sterile Sampling Bags with Flat-Wire Closures

- Made from heavy-gauge, virgin polyethylene
- Can accommodate solid, semi-solid and liquid materials
- To use, simply tear off top and open bag using pull tabs
- Insert sample and seal by twirling the bag away from you four times and bending wire ends inward
- Tape-on bag closure extends past the ends of internal support wires, covering them completely to reduce the risk of a protruding wire damaging surrounding bags
- Choice of round- or flat-wire closures; flat wire closures provide extra strength to seal larger and heavier samples
- Available in several sizes and wall thicknesses, clear or with printed, write-on label



Cat. No.	Description	Quantity
01-002-53	Capacity: 100 oz.; Thickness: 4mil; Clear	250/Pk.

## Fisherbrand™ Tamper-Evident Adhesive Closure Bags

- Tamper-evident seal is easy to open—simply tear along score line
- Non-perforated bags feature a liquid-tight adhesive seal for leak prevention
- Pull away release liner assures no glove-to-adhesive contact
- Saddlepack system allows storage flexibility—may be dispensed from a hook and wire holder system, stored in drawers, on workstations, or on any flat surface
- Built-in front and back pouches hold specimen and requisition slips



Cat. No.	Description	Quantity
01-813-14	Size: 5 × 9 in.	1000/Cs.
01-813-16	Size: 6 × 10 in.; With absorbent pad	500/Cs.
01-813-15	Size: 6 × 10 in.	1000/Cs.
01-813-17	Size: 8 × 10 in.	1000/Cs.

## Beakers

### Beakers - Glass

## Fisherbrand™ Reusable Glass Heavy-Duty Low-Form Beakers

- Thick uniform walls
- Evenly tooled top rim with extra wall thickness Spout designed for optimum performance
- Durable matte finish marking area
- White graduated scale



Cat. No.	Description	Quantity
FB-101-250	250mL	12/Pk.
FB-101-400	400mL	12/Pk.
FB-101-600	600mL	6/Pk.
FB-101-1000	1000mL	6/Pk.
FB-101-2000	2000mL	4/Pk.
FB-101-4000	4000mL	Ea.

## Fisherbrand™ Reusable Glass Low-Form Griffin Beakers

- Made of KG-33 borosilicate glass
- Thick, heavy construction with beaded top
- Uniform wall thickness
- Durable, matte-finish marking area for use with an ordinary pencil
- Easy-to-read white graduated double scale on all sizes from 50 to 1000mL



Cat. No.	Description	Quantity
FB-100-50	Capacity: 50mL; Graduated 10 to 40mL in 10mL increments	12/Pk.
FB-100-100	Capacity: 100mL; Graduated 20 to 80mL in 10mL increments	12/Pk.
FB-100-150	Capacity: 150mL; Graduated 20 to 140mL in 20mL increments	12/Pk.
FB-100-250	Capacity: 250mL; Graduated 25 to 200mL in 25mL increments	12/Pk.
FB-100-400	Capacity: 400mL; Graduated 50 to 325mL in 25mL increments	12/Pk.
FB-100-600	Capacity: 600mL; Graduated 50 to 500mL in 50mL increments	6/Pk.
FB-100-1000	Capacity: 1000mL; Graduated 100 to 1000mL in 50mL increments	6/Pk.

## Beakers - Plastic

## Fisherbrand™ “Square Ratio” Polypropylene Beaker Set

- Straight sides for maximum stability
- All sizes have pouring spouts
- Withstand temperatures to 135°C (275°F)
- Autoclavable



Cat. No.	Description	Quantity
02-591-16	Polypropylene Beaker Set	5/Pk.

## Fisherbrand™ Intermediate-Form Polypropylene Beakers with Handles

- With ergonomic, comfortable handles for safer pouring
- Beaker bottoms are designed so they will not slide or create suction and stick to laboratory countertops
- Graduations in liters and milliliters are in easy-to-read blue print
- Autoclavable



Cat. No.	Description	Quantity
0259138	Capacity: 250mL	Ea.
02-591-39	Capacity: 500mL	Ea.
02-591-40	Capacity: 1000mL	Ea.
0259141	Capacity: 2000mL	Ea.
0259142	Capacity: 3000mL	Ea.
0259143	Capacity: 5000mL	Ea.

## Fisherbrand™ Low-Form Polypropylene Beakers

- Resistant to most acids, bases, and many commonly used solvents
- Shatter resistant
- Easy-to-read, blue printed graduations
- “No Flame” symbol and SPI recycling code
- Anti-lock feature prevents beakers from sticking together when stacked
- Autoclavable
- Withstand temperatures up to 121°C (250°F)



Cat. No.	Description	Quantity
02-591-26	50mL	10/Pk.
02-591-27	100mL	10/Pk.
02-591-28	250mL	10/Pk.
02-591-29	400mL	10/Pk.
02-591-30	500mL	10/Pk.
02-591-31	600mL	5/Pk.
02-591-32	1000mL	5/Pk.
02-591-33	2000mL	Ea.
02-591-34	3000mL	Ea.
02-591-35	5000mL	Ea.

## Fisherbrand™ Low-Form Polypropylene Beakers with Handles

- Convenient spout Made of chemical-resistant polypropylene
- Graduated in L and mL
- Autoclavable



Cat. No.	Description	Quantity
02-543-36B	Capacity: 500mL	24/Cs.
02-543-36C	Capacity: 1000mL	24/Cs.
02-543-36D	Capacity: 2000mL	12/Cs.
02-543-36E	Capacity: 3000mL	12/Cs.
02-543-36F	Capacity: 5000mL	12/Cs.

## Fisherbrand™ Polypropylene Disposable Beakers

- Highly resistant to strong acids, organic solvents and other common laboratory reagents
- Special “dripless” lip Rib construction permits stacking without binding Base allows beaker to sit flat during use
- Graduated in mL and oz.



Cat. No.	Description	Quantity
01-291-8	Capacity: 15mL; Graduations: 5mL	100/Pk.
01-291-9	Capacity: 30mL; Graduations: 5mL	100/Pk.
01-291-10	Capacity: 50mL; Graduations: 5mL	100/Pk.
01-291-7	Capacity: 100mL; Graduations: 50mL	100/Pk.
01-291-11	Capacity: 150mL; Graduations: 5mL	100/Pk.
01-291-5	Capacity: 250mL; Graduations, 10mL	50/Pk.
01-291-12	Capacity: 400mL; Graduations: 25mL	50/Pk.
01-291-6	Capacity: 600mL; Graduations: 50mL	25/Pk.

## Fisherbrand™ Tri-Cornered Polypropylene Beakers

- Tri-cornered lip for dripless pouring Sturdy enough for autoclaving and reuse, yet inexpensive enough to be disposable Easy-to-read graduations in L and mL
- Accurate to ±5.0%



Cat. No.	Description	Quantity
14-955-111A	50mL	100/Cs.
14-955-111B	100mL	100/Cs.
14-955-111C	250mL	100/Cs.
14-955-111D	400mL	100/Cs.
14-955-111E	800mL	100/Cs.
14-955-111F	1000mL	100/Cs.



**Bench Protectors**

## Fisherbrand™ Absorbent Surface Liners

- Soft, durable, and highly absorbent multilayer liner cushions surfaces and absorbs and retains spills
- Waterproof polypropylene backing resists most chemicals
- Easily cut to desired size
- White
- Ideal for protecting benches and surfaces
- Available in roll or dispenser box



Cat. No.	Description	Quantity
14-127-46	Size: 20 in. × 50 ft.; Dispenser box	6/Cs.
14-127-47	Size: 20 in. × 300 ft. roll	Ea.

## Fisherbrand™ Absorbent Surface Protector

- Ideal for preventing glass breakage, protecting benches, absorbing liquids, and lining humidity chambers and fume cupboards
- Paper side quickly absorbs liquids and keeps spills from spreading
- Polyethylene side prevents liquids from reaching work area and is useful for sample recovery



Cat. No.	Description	Quantity
14-666-301	Size: 18 × 22.5 in.	50/Pk.

## Fisherbrand™ Absorbent Underpads

- Made with high-absorbency fibers
- Polyethylene backing is chemical resistant, and the spunbond top layer provides durability even when wet
- Lie flat, hugging the benchtop to prevent sliding
- Absorb up to 750mL/m<sup>2</sup>



Cat. No.	Description	Quantity
<i>Mat</i>		
14-206-62	L × W: 20 × 24 in. (50.8 × 61cm)	50/Pk.
14-206-63	L × W: 20 × 36 in.	25/Pk.
<i>Roll in dispenser pack</i>		
14-206-64	20 in. × 100 ft.	Ea.
14-206-65	L × W: 20 in. × 250 ft. (51cm × 76m)	1/Cs.

## Fisherbrand™ Lab Matting

- Clear polyethylene ribbed matting cushions instruments, reduces glassware breakage
- Five times thicker (0.036" [9mm]) than normal shelf liner, but won't ripple; lies flat



Cat. No.	Description	Quantity
14-203A	30 in. × 15 ft. (76cm × 4.4m)	Ea.
14-203B	30 in. × 100 ft. (76cm × 30m)	Ea.

## Fisherbrand™ Surface Protectors in Rolls

- Pure cellulose paper
- Impermeable polyethylene backing
- Smooth, firm surface
- Does not inhibit stability of bottles or tubes, and allows recovery of dry spills
- Disposal is safe and easy
- Polyshield ashes readily upon incineration



Cat. No.	Description	Quantity
14-666-300	18 in. × 164 ft. (46cm × 50m)	Ea.
14-666-302	36 in. × 164 ft. (91cm × 50m)	Ea.

**Bins**

## Fisherbrand™ Workstation Storage/Dispenser Bins

- Clear acrylic front with white acrylic sides and back
- Provide easy content identification and keep items dust free
- Front hinged cover provides large opening for easy removal
- Removable top cover for easy filling



Cat. No.	Description	Quantity
<i>Size: small</i>		
03-340-194B	6L × 6.5W × 7.0 in.H (15 × 16.5 × 17.8cm)	Ea.
<i>Size: large</i>		
03-340-194A	6L × 6.5W × 14 in.H (15 × 16.5 × 35.5cm)	Ea.

**Biohazard Materials Waste Containers**

## Fisherbrand™ Burn-up Bin™ Biohazard Waste Boxes

- Corrugated cardboard—single use
- 2mil polyliner safely holds biohazard waste
- Tight-fitting lid has flap opening to accept material; to dispose, simply close lid and transfer filled box to incinerator
- Graphics and biohazard symbols readily identify contents, encourage proper use



Cat. No.	Description	Quantity
<i>Benchtop Model</i>		
12-009-8B	8L × 8W × 10 in.H (20 × 20 × 25cm)	6/Cs.
<i>Floor Model</i>		
12-009-8A	12L × 12W × 27 in. H (30 × 30 × 69cm)	6/Cs.

**Bottle Closures**

**Bottle Caps**

### Fisherbrand™ PE Cone-Lined Polyethylene Caps

- Manufactured from LDPE



Cat. No.	Description	Quantity
02-912-062	Size: 33mm-400; 12/Pk.	12/Pk.

### Fisherbrand™ Replacement Cap for Glass Media Bottles

- Autoclavable up to 140°C
- Polypropylene
- Linerless Blue



Cat. No.	Description	Quantity
FB-800-STD CAP	Blue	10/Cs.

**Bottles**

**Dispensing Bottles - Plastic**

### Fisherbrand™ LDPE Dispensing Bottles

- LDPE bottles and spouts with sealer caps
- Sealer snaps on easily after use and gives tight seal
- Spout openings are standard 0.03" (0.08cm)
- Can be enlarged by cutting back with scissors



Cat. No.	Description	Quantity
<b>Screw cap size: 15-415mm</b>		
03-402A	Capacity: 0.5 oz. (15mL)	12/Pk.
<b>Screw cap size: 18-400mm</b>		
03-402B	Capacity: 1 oz. (30mL)	12/Pk.
03-402C	Capacity: 2 oz. (60mL)	12/Pk.
<b>Screw cap size: 24-400mm</b>		
03-402D	Capacity: 4 oz. (125mL)	12/Pk.
03-402F	Capacity: 8 oz. (250mL)	12/Pk.

**Dropping Bottles - Glass**

### Fisherbrand™ Amber Glass Dropping Bottles

- Amber glass protects light-sensitive chemicals



Cat. No.	Description	Quantity
02-983A	Capacity: 1 oz. (30mL); 72/Cs.	72/Cs.
02-983B	Capacity: 2 oz. (60mL); 36/cs.	36/Cs.

**Environmental Bottles - Glass**

### Fisherbrand™ Certified Low-Particulate Graduated Valumetric™ Bottles

- With PTFE-lined or PTFE-faced PE-lined caps
- Containers and caps are cleaned to five particles or less per milliliter at 0.5 microns with USP Purified Water or Water for Injection in a Class 100/10 cleanroom Custom processing, packaging and certification available by special request



Cat. No.	Description	Quantity
<b>With PTFE cap</b>		
02-911-866	Capacity: 2 oz. (60mL)	48/Cs.
02-912-040	Capacity: 8 oz. (250mL)	24/Cs.
<b>With PTFE-faced PE-lined cap</b>		
02-912-314	Capacity: 4 oz. (125mL)	24/Cs.
02-912-315	Capacity: 8 oz. (250mL)	24/Cs.
02-912-316	Capacity: 16 oz. (500mL)	24/Cs.

**General Purpose Bottles - Round Glass Narrow Mouth**

### Fisherbrand™ Amber Boston Rounds with PE cone-Lined Caps

- Type III soda-lime glass
- Narrow mouth



Cat. No.	Description	Quantity
02-911-744	Capacity: 32 oz. (1000mL); 12/case	12/Cs.
02-911-899	Capacity: 32 oz. (1000mL); 30/case	30/Cs.

## Fisherbrand™ Clear Boston Rounds with PE Cone Caps

- Type III soda-lime glass
- Clear for easy viewing of contents
- Narrow mouth



Cat. No.	Description	Quantity
02-911-751	32 oz. (1000mL)	12/Cs.

### General Purpose Bottles - Round Glass Wide Mouth

## Fisherbrand™ Amber Wide-Mouth Packers with PE Cone Caps

- Amber glass for light sensitive powders
- Wide mouth for easy filling and for complete removal of contents



Cat. No.	Description	Quantity
02-911-445	Capacity: 2 oz. (60mL); 33mm-400 screw cap size	24/Cs.

## Fisherbrand™ Amber Wide-Mouth Packers with Polyvinyl-Lined Caps



Cat. No.	Description	Quantity
<b>20mm-400 screw cap</b>		
02-911-852	Capacity: 0.20 oz. (6mL); 720/Cs.	720/Cs.
02-911-857	Capacity: 0.27 oz. (8mL); 912/Cs.	912/Cs.
<b>33mm-400 screw cap</b>		
02-911-433	Capacity: 2 oz. (60mL); 24/Cs.	24/Cs.
<b>38mm-400 screw cap</b>		
02-911-449	Capacity: 4 oz. (125mL); 180/Cs.	180/Cs.
<b>45mm-400 screw cap</b>		
02-911-435	Capacity: 8 oz. (250mL); 24/Cs.	24/Cs.
<b>53mm-400 screw cap</b>		
02-911-437	Capacity: 32 oz. (1000mL); 12/Cs.	12/Cs.
02-911-452	Capacity: 32 oz. (1000mL); 36/Cs.	36/Cs.

## Fisherbrand™ Amber Wide-Mouth Packers with PTFE-Faced PE-Lined Caps



Cat. No.	Description	Quantity
<b>28mm-400 Screw cap size</b>		
02-911-438	Capacity: 1 oz. (30mL)	24/Cs.
<b>33mm-400 Screw cap size</b>		
02-911-439	Capacity: 2 oz. (60mL)	24/Cs.
<b>38mm-400 Screw cap size</b>		
02-911-440	Capacity: 4 oz. (125mL)	24/Cs.
<b>45mm-400 Screw cap size</b>		
02-911-441	Capacity: 8 oz. (250mL)	24/Cs.
<b>70mm-400 Screw cap size</b>		
02-911-854	Capacity: 85 oz. (2500mL)	12/Cs.

## Fisherbrand™ Clear Standard Wide-Mouth Bottles with Polyvinyl-Lined Caps



Cat. No.	Description	Quantity
<b>48mm-400 Screw cap size</b>		
02-911-731	Capacity: 4 oz. (125mL); 24/Cs.	24/Cs.
<b>58mm-400 Screw cap size</b>		
02-911-916	Capacity: 8 oz. (250mL); 24/Cs.	24/Cs.
<b>63mm-400 Screw cap size</b>		
02-911-917	Capacity: 16 oz. (500mL); 24/Cs.	24/Cs.
<b>70mm-400 Screw cap size</b>		
02-911-919	Capacity: 32 oz. (1000mL); 12/Cs.	12/Cs.

## Fisherbrand™ Clear Standard Wide-Mouth Bottles with PTFE-Faced PE-Lined Caps



Cat. No.	Description	Quantity
<b>63mm-400 Screw cap size</b>		
02-911-767	Capacity: 16 oz. (500mL)	24/Cs.
<b>70mm-400 Screw cap size</b>		
02-911-913	Capacity: 32 oz. (1000mL)	12/Cs.
<b>83mm-400 Screw cap size</b>		
02-911-769	Capacity: 64 oz. (2000mL)	6/Cs.

## Fisherbrand™ Graduated Valumetric™ Bottles with PE Cone Caps

- Clear, USP Type III soda-lime glass for easy viewing of contents
- Wide mouth for easy filling



Cat. No.	Description	Quantity
<b>38mm-400 Screw cap size</b>		
02-911-464	Capacity: 2 oz. (60mL); 48/Cs.	48/Cs.

## Fisherbrand™ Graduated Valumetric™ Bottles with Polyvinyl-Lined Caps

- Clear, USP Type III soda-lime glass for easy viewing of contents
- Printed graduations show milliliters and fluid ounces
- Wide mouth for easy filling



Cat. No.	Description	Quantity
<b>58mm-400 Screw cap size</b>		
02-911-456	Capacity: 8 oz. (250mL); 24/Cs.	24/Cs.

## Fisherbrand™ Graduated Valumetric™ Bottles with PTFE-Faced PE-Lined Caps

- Clear, USP Type III soda-lime glass
- Lined caps attached



Cat. No.	Description	Quantity
<b>33mm-400 Screw cap size</b>		
02-911-458	Capacity: 1 oz. (30mL)	48/Cs.

## Fisherbrand™ Safety-Coated Amber Wide-Mouth Packers

- Amber Type III soda-lime glass
- Shatter-resistant coating reduces chance of breakage
- If broken, safety coating contains contents long enough for disposal
- Non-slip coating also allows greater ease of stability when wet or dry
- Not autoclavable



Cat. No.	Description	Quantity
<b>With PTFE-Faced PE-Lined Caps</b>		
02-911-831	Capacity: 32 oz. (1000mL)	12/Cs.
02-911-863	Capacity: 8 oz. (250mL)	24/Cs.
02-911-830	Capacity: 16 oz. (500mL)	12/Cs.
<b>With Polyvinyl-Lined Caps</b>		
02-911-832	Capacity: 8 oz. (250mL)	24/Cs.
02-911-828	Capacity: 16 oz. (500mL)	12/Cs.
02-911-829	Capacity: 32 oz. (1000mL)	12/Cs.
<b>Bottles Only</b>		
02-912-317	Capacity: 8 oz. (250mL)	24/Cs.
02-911-906	Capacity: 16 oz. (500mL)	12/Cs.
02-911-907	Capacity: 32 oz. (1000mL)	12/Cs.

### General Purpose Bottles - Round Plastic Narrow Mouth

## Fisherbrand™ Amber HDPE Narrow-Mouth Bottles

- Amber high-density polyethylene
- Available in various capacities



Cat. No.	Description	Quantity
03-007-48	Capacity: 16 oz. (500mL); Screw cap size: 28mm-400; 12/Pk.	12/Pk.
03-007-49	Capacity: 32 oz. (1000mL); Screw cap size: 38mm-430; 6/Pk.	6/Pk.

## Fisherbrand™ Narrow-Mouth Field Sample Bottles

- HDPE for excellent chemical resistance
- Rigid and translucent
- Ideal for field sampling



Cat. No.	Description	Quantity
02-895A	Capacity: 4 oz. (125mL)	500/Cs.
02-895C	Capacity: 16 oz. (500mL)	125/Cs.
02-895D	Capacity: 32 oz. (1000mL)	50/Cs.

### General Purpose Bottles - Round Plastic Wide Mouth

## Fisherbrand™ Amber HDPE Wide-Mouth Bottles

- Amber high-density polyethylene
- Wide mouth allows easy retrieval of grab samples and reduces turbulence when filling



Cat. No.	Description	Quantity
03-007-53	Capacity: 8 oz. (250mL); 43mm screw cap size	12/Pk.
03-007-54	Capacity: 16 oz. (500mL); 53mm screw cap size	12/Pk.
03-007-55	Capacity: 32 oz. (1000mL); 63mm screw cap size	6/Pk.

## Fisherbrand™ Graduated Polypropylene Laboratory Bottles

- Wide mouth provides easy filling
- Autoclavable
- Chemical resistant
- Leakproof
- Clear polypropylene allows easy viewing of fluid level
- Printed graduations show milliliters and fluid ounces, allowing estimation of volumes remaining
- Large white marker space for easy labeling
- Supplied with screw caps



Cat. No.	Description	Quantity
03-405-31	Capacity: 4 oz. (125mL)	12/Pk.
03-405-32	Capacity: 8 oz. (250mL)	12/Pk.
03-405-33	Capacity: 16 oz. (500mL)	12/Pk.

## Fisherbrand™ HDPE Wide-Mouth Round Bottles

- Translucent HDPE
- Wide mouth for easy filling



Cat. No.	Description	Quantity
02-912-032	4 oz. (125mL); Screw cap size: 38mm-400; 48/Pk.	48/Cs.
02-912-038	32 oz. (1000mL); Screw cap size: 53mm-400; 12/Pk.	12/Cs.
02-912-036	130 oz. (3840mL); Screw cap size: 89mm-400; 4/Pk.	4/Cs.

## Fisherbrand™ LDPE Wide-Mouth Bottles

- Virtually unbreakable, yet very flexible
- Chemically resistant to most weak and strong acids and organic solvents, but can be slowly attacked by strong oxidizing agents and some solvents that can cause softening and swelling
- Maximum use temperature 80°C (176°F) with brittleness temperature of -100°C (-148°F)
- Bottles can be radiation, gas, EtO or chemically sterilized; not autoclavable



Cat. No.	Description	Quantity
02-896-1A	Capacity: 1 oz. (30mL); 28mm screw cap	12/Pk.
02-896-1B	Capacity: 2 oz. (60mL); 28mm screw cap	12/Pk.
02-896-1C	Capacity: 4 oz. (125mL); 38mm screw cap	12/Pk.
02-896-1D	Capacity: 8 oz. (250mL); 43mm screw cap	12/Pk.
02-896-1E	Capacity: 16 oz. (500mL); 53mm screw cap	12/Pk.
02-896-1F	Capacity: 32 oz. (1000mL); 63mm screw cap	6/Pk.

## Fisherbrand™ Leakproof HDPE Wide-Mouth Bottles

- Leakproof
- Higher temperature-use rating than LDPE—up to 120°C (248°F) for short periods and 110°C (230°F) for continuous use
- Brittleness temperature at -100°C (-148°F)
- Bottles may be radiation, EtO or chemically sterilized
- Not autoclavable



Cat. No.	Description	Quantity
<b>Screw cap size: 28</b>		
02-896-2A	1 oz. (30mL)	12/Pk.
02-896-2B	2 oz. (60mL)	12/Pk.
<b>Screw cap size: 38</b>		
02-896-2C	4 oz. (125mL)	12/Pk.
<b>Screw cap size: 43</b>		
02-896-2D	8 oz. (250mL)	12/Pk.
<b>Screw cap size: 53</b>		
02-896-2E	16 oz. (500mL)	12/Pk.
<b>Screw cap size: 63</b>		
02-896-2F	32 oz. (1000mL)	6/Pk.



## Fisherbrand™ Polypropylene Wide-Mouth Bottles

- Handle up to 120°C (248°F)† for short periods and 100°C (212°F) continuously
- Brittleness temperature of 0°C (32°F)
- Rigid walls
- Excellent chemical resistance
- Can be sterilized by all normal methods, except dry heat and radiation



Cat. No.	Description	Quantity
02-896A	Capacity: 1 oz. (30mL); 28mm screw cap	12/Pk.
02-896B	Capacity: 2 oz. (60mL); 33mm screw cap	12/Pk.
02-896C	Capacity: 4 oz. (125mL); 38mm screw cap	12/Pk.
02-896D	Capacity: 8 oz. (250mL); 45mm screw cap	12/Pk.
02-896E	Capacity: 16 oz. (500mL); 55mm screw cap	12/Pk.
02-896F	Capacity: 32 oz. (1000mL); 65mm screw cap	6/Pk.

## Fisherbrand™ Wide-Mouth Field Sample Bottles

- Excellent chemical resistance
- Rigid and translucent



Cat. No.	Description	Quantity
02-895-1A	4 oz. (125mL); 38mm screw cap	500/Cs.
02-895-1B	8 oz. (250mL); 43mm screw cap	250/Cs.
02-895-1C	16 oz. (500mL); 53mm screw cap	125/Cs.
02-895-1D	32 oz. (1000mL); 53mm screw cap	50/Cs.

### General Purpose Bottles - Square Plastic Wide Mouth

## Fisherbrand™ Graduated HDPE Rectangular Bottles

- Graduated in mL
- Wide mouth for convenient cleaning, sample filling and retrieval HDPE screw cap with LDPE inner security seal eliminates leaks Attachment holes on closure and bottle shoulder permit attachment of identification tag or custody seal



Cat. No.	Description	Quantity
03-311-3B	Capacity: 1.7 oz. (50mL)	10/Pk.
03-311-3D	Capacity: 8 oz. (250mL)	10/Pk.
03-311-3E	Capacity: 16 oz. (500mL)	6/Pk.
03-311-3F	Capacity: 32 oz. (1000mL)	6/Pk.
03-311-3G	Capacity: 64 oz. (2000mL)	6/Pk.

### Jars - Glass

## Fisherbrand™ Amber Straight-Sided Jars

- Type III soda-lime glass
- Straight sides allow for complete removal of contents
- Wide mouth for easy filling



Cat. No.	Description	Quantity
<i>Screw cap size: 58mm-400</i>		
02-912-045	Capacity: 4 oz. (125mL); With cap	24/Cs.
<i>Screw cap size: 70mm-400</i>		
02-911-859	Capacity: 8 oz. (250mL); With cap	12/Cs.

## Fisherbrand™ Certified Clean Clear Glass Straight-Sided Jars

- Cleaned per EPA guidelines for Semi-Volatiles, Pesticides, PCBs and Metals



Cat. No.	Description	Quantity
02-912-311	8 oz. (250mL)	24/Cs.
02-912-312	16 oz. (500mL)	12/Cs.

## Fisherbrand™ Clear Glass Testing Jars

- Clear, USP Type III soda-lime glass
- Capacity: 2 oz.
- Screw cap size: 43mm-400



Cat. No.	Description	Quantity
02-911-964	With PTFE faced PE-lined cap	180/Cs.
02-912-116	Jar only	180/Cs.
02-911-883	With polyvinyl-lined cap	180/Cs.

## Fisherbrand™ Clear Straight-Sided Jars with Polyvinyl-Lined Caps

- Type III clear soda-lime glass for easy viewing of contents
- Straight sides allow for complete removal of contents
- Wide mouth for easy filling



Cat. No.	Description	Quantity
02-911-775	Capacity: 4 oz. (125mL)	24/Cs.
02-911-776	Capacity: 8 oz. (250mL)	12/Cs.
02-911-774	Capacity: 32 oz. (1000mL)	12/Cs.

## Fisherbrand™ Clear Straight-Sided Jars with PTFE-Faced PE-Lined Caps

- Type III Clear soda-lime glass for easy viewing of contents
- Straight sides allow for complete removal of contents
- Wide mouth for easy filling



Cat. No.	Description	Quantity
02-911-761	16 oz. (500mL); 12/cs.	12/Cs.
02-911-762	32 oz. (1000mL); 12/cs.	12/Cs.

## Fisherbrand™ Safety Coated Straight-Sided Jars

- Type III clear soda-lime glass with attached caps



Cat. No.	Description	Quantity
<i>With PTFE-faced PE-lined cap</i>		
02-911-868	16 oz.	12/Cs.
<i>With polyvinyl-lined cap</i>		
02-911-824	16 oz.	12/Cs.

### Jars - Plastic

## Fisherbrand™ Polystyrene Jars

- Clear polystyrene offers clarity of glass and safety of plastic
- Available with or without caps



Cat. No.	Description	Quantity
<i>With foamed PE-lined caps</i>		
02-912-267	Capacity: 2 oz. (60mL)	48/Cs.
<i>With foam-lined PE caps</i>		
02-912-269	Capacity: 8 oz. (250mL)	36/Cs.
02-912-265	Capacity: 16 oz. (500mL)	24/Cs.
<i>Jar only</i>		
02-912-263	Capacity: 8 oz. (250mL)	168/Cs.

## Fisherbrand™ Wide-Mouth Polypropylene Jars

- Handle up to 135°C (275°F) for short periods and 100°C (212°F) continuously
- Brittleness temperature of 0°C (32°F)
- Rigid walls
- Excellent chemical resistance
- Can be sterilized by all normal methods, except dry heat and radiation



Cat. No.	Description	Quantity
02-891A	1 oz. (30mL)	72/Cs.
02-891E	16 oz. (500mL)	24/Cs.
02-891F	32 oz. (1000mL)	24/Cs.

### Jugs - Plastic

## Fisherbrand™ HDPE Jugs

- Narrow mouth is ideal for liquids
- Available as round- or square-shaped



Cat. No.	Description	Quantity
<i>Square</i>		
02-911-992	1 gal. (4L)	4/Cs.
<i>Round</i>		
02-912-115	0.5 gal (2L)	40/Cs.

Media Bottles - Glass

## Fisherbrand™ Reusable Glass Media Bottles with Cap

- Enhanced graduations
- Permanent white enamel marking spot
- GL 45 screw thread
- Clear (natural), drip-free, replaceable polypropylene pour ring Linerless
- Autoclavable (to 140°C)
- Polypropylene cap



Cat. No.	Description	Quantity
FB-800-100	Capacity: 100mL	10/Cs.
FB-800-250	Capacity: 250mL	10/Cs.
FB-800-500	Capacity: 500mL	10/Cs.
FB-800-1000	Capacity: 1000mL	10/Cs.
FB-800-2000	Capacity: 2000mL	Ea.
FB-800-5000	Capacity: 5000mL	Ea.
FB-800-10000	Capacity: 10,000mL	Ea.

Spray Bottles - Plastic

## Fisherbrand™ Wash Bottles with Adjustable Sprayer

- Bottle is made of high-density polyethylene
- Sprayer is polypropylene
- Trigger allows one-handed, controlled delivery with light pressure
- Engraved markings show how much fluid is left
- Squat shape takes up little bench space and ensures a low center of gravity
- 1000mL bottle dip-tube has an easy-access filter to prevent clogging



Cat. No.	Description	Quantity
03-405A	Capacity: 8 oz. (235mL)	3/Pk.
03-405	Capacity: 34 oz. (1000mL)	Ea.

Wash Bottles - Plastic

## Fisherbrand™ 500mL Easy-Squeeze Wash Bottles

- Wide mouth
- Translucent and sputter-free
- With easy-to-read color-coded silk-screened labels
- Tips can be cut back to increase flow
- When not in use, bottles relieve internal pressure without dripping



Cat. No.	Description	Quantity
<i>For water</i>		
02-897-11		6/Cs.
<i>Universal</i>		
02-897-10		6/Cs.

## Fisherbrand™ Safety-Labeled Wash Bottles



- Easy-to-read, color-coded silkscreened labels ensure instant identification and include: Department of Transportation (DOT) and National Fire Protection Association (NFPA™) codes and symbols
- Chemical Abstract Service (CAS) numbers where applicable
- Protective equipment
- Target organ information
- Inks resist chemical to be contained
- Provides compliance with OSHA requirements outlined in Hazard Communication Standards 29 CFR 1910.1200

Cat. No.	Description	Quantity
<i>Acetone</i>		
03-409-23A	500mL	6/Pk.
03-409-23Q	1000mL	6/Pk.
<i>Bleach</i>		
03-409-23L	500mL	6/Pk.
<i>Deionized Water</i>		
03-409-23M	500mL	6/Pk.
<i>Distilled water</i>		
03-409-23K	500mL	6/Pk.
<i>Ethanol</i>		
03-409-23B	500mL	6/Pk.
<i>Isopropanol</i>		
03-409-23C	500mL	6/Pk.
<i>Label Your Own</i>		
03-409-23N	500mL	6/Pk.
<i>Machine Oil</i>		
03-409-23R	500mL	6/Pk.
<i>Methanol</i>		
03-409-23D	500mL	6/Pk.
<i>Ethyl Ketone</i>		
03-409-23S	500mL	6/Pk.
<i>Saline</i>		
03-409-23J	500mL	6/Pk.
<i>Soap</i>		
03-409-23P	500mL	6/Pk.
<i>Toluene</i>		
03-409-23E	500mL	6/Pk.
<i>Water</i>		
03-409-23G	500mL	6/Pk.

## Fisherbrand™ Solvent-Vented™ and Safety-Labeled Wash Bottles

- Pre-printed with Chemical name and formula, the National Fire Protection Association (NFPA) Section 704 Four-color Diamond, health hazards, Chemical Abstract System (CAS) number, and suggested protective clothing and equipment
- Wide mouth 2" (53mm) bottle for easy refilling
- Polypropylene closure with leakproof design, color-coded to aid in easy identification
- Translucent, LDPE solvent-resistant; Sodium Hypochlorite is white LDPE for light-protection between 230 and 450nm; Toluene is red LDPE bottle
- Provides compliance with OSHA requirements outlined in Hazard Communication Standard 29 CFR 1910.1200
- Labeled with six of the most commonly used solvent names or label your own; custom labeling available



Cat. No.	Description	Quantity
<b>Acetone</b>		
03-409-37	Capacity: 16 oz. (500mL)	3/Pk.
<b>Ethanol</b>		
03-409-36	Capacity: 16 oz. (500mL)	3/Pk.
<b>Ethyl Acetate</b>		
03-409-30	Capacity: 16 oz. (500mL)	3/Pk.
<b>Methyl Ethyl Ketone (MEK)</b>		
03-409-31	Capacity: 16 oz. (500mL)	3/Pk.

## Fisherbrand™ Translucent White Wash Bottles

- LDPE with one-piece polypropylene screw cap and nozzle
- Tip may be cut back to increase flow



Cat. No.	Description	Quantity
03-409-22A	4 oz. (125mL)	6/Pk.
03-409-23T	8 oz. (250mL)	6/Pk.
03-409-22C	16 oz. (500mL)	6/Pk.
03-409-22D	32 oz. (1000mL)	4/Pk.

### Bottles

## Fisherbrand™ Weighing Bottles

- Lamp-blown glass
- Sturdy bottoms prevent chipping and facilitate cleaning



Cat. No.	Description	Quantity
<b>Tall, Cylindrical form</b>		
03-415B	0.3 oz. (10mL)	Ea.
03-415H	2 oz. (70mL)	Ea.
<b>Low, flat form</b>		
03-420A	1 oz. (35mL)	Ea.
03-420C	3 oz. (82mL)	Ea.

### Boxes

#### Fiberboard Boxes

## Fisherbrand™ Cryo/Freezer Boxes

### Simple design for versatile use

- Unbreakable white fiberboard to protect samples
- Surface is easy to write on for identification
- Sized to fit all standard stainless-steel and polycarbonate storage systems
- Protective coating prevents water or liquid nitrogen from saturating box for increased longevity
- Tight lid-to-box fit means accidental separation is next to impossible
- Bottom drain holes allow safe drainage of liquid nitrogen, prevent moisture buildup
- Catalog numbers are printed on box lids for easy reorder
- Can be used in mechanical freezers and liquid nitrogen tanks at temperatures to  $-196^{\circ}\text{C}$



Cat. No.	Description	Quantity
03-395-463	3 × 3 × 2 in.; With 25 cells	Ea.
03-395-465	5 × 5 × 2 in.; No. of cells: 100	Ea.
03-395-454	5.75 × 5.75 × 4 in.; Without dividers	Ea.
03-395-455	5 × 5 × 2 in.; Without dividers	Ea.

## Fisherbrand™ Dividers for Cryo/Freezer Boxes

- Nine divider choices hold from 16 to 144 tubes
- Accommodate tubes with diameters from 9.8 to 33.5mm

Cat. No.	Description	Quantity
03-395-450	25 cells; 11.5mm cell opening	Ea.
03-395-458	81 Cells; 12.7mm Cell opening	Ea.
03-395-457	100 cells; 11.5mm cell opening	Ea.

## Fisherbrand™ Sterilizer Box for Petri Dishes

- Polished stainless-steel, including deep telescoping cover and removable rack
- Holds 18 glass Petri dishes size 3.93 × 0.39" (100 × 10mm), or 10 size 3.93 × 0.59" (100 × 15mm)
- Overall, 4.25 O.D. × 10.50"H (12 × 27cm)



Cat. No.	Description	Quantity
03-460	Holds 18 petri dishes	Ea.

### Boxes

## Fisherbrand™ 100-Place Polypropylene Storage Boxes

- Great for organization on the bench, in the freezer, or during transport
- Can be used at temperatures -80° C to +121° C (112° F to +249° F)
- Five color choices let you visually sort and organize samples of different types
- Hinged lids with snap tab open easily and close securely; clear translucent color always lets you see inside
- Opaque black boxes are ideal for light sensitive samples
- Each box position is labeled with an alphanumeric grid
- "No slide" features molded in bottom and lid provide secure stacking
- **Boxes measure:** 6 × 5.7 × 2.2" H (15.4 × 14.3 × 5.6cm H) and 5.7 × 5.7 × 2.2" H (14.3 × 14.3 × 5.6cm H) without hinges and tab.



Cat. No.	Description	Quantity
14-100-G	Assorted	5/Pk.

## Fisherbrand™ 81-Place Polypropylene Cryo Storage Boxes

- Useful at temperatures -80° C to +121°C (-112°F to +249°F)
- 81-place 9 × 9 row boxes hold 0.5, 1.5 and 2.0mL tubes and cryo vials
- Five color choices; useful for organization and quick visual identification of samples
- Secure fitting, lift-off, clear translucent lids let you easily view contents; matte panels on two sides for trouble-free labeling
- Alphanumeric grid lets you track individual samples
- "No slide" features molded in bottom and lid provide secure stacking
- **Boxes measure:** 5.5 × 5.5 × 1.9" H (14 × 14 × 4.8cm H)



Cat. No.	Description	Quantity
14-081-B	Blue	5/Pk.
14-081-A	Natural	5/Pk.

## Fisherbrand™ MagBox™ Accessories Box

- **Helps reduce bench clutter:** Simple and practical solution
- **Four powerful magnets:** Securely holds onto most metal surfaces
- **Material:** Robust shatter-resistant ABS plastic in bright, translucent orange color
- **Holds:** Miscellaneous accessories including tools, office supplies, equipment parts, etc.



Cat. No.	Description	Quantity
120-065	Orange; L × W × H: 5.16 × 4.4 × 3 in. (131 × 112 × 76mm)	Ea.

### Brushes

## Fisherbrand™ Adaptable-to-Container Brush

- Single-row bristles
- Attached to heavy wire handle by swivel joint
- Handle with ring for hanging



Cat. No.	Description	Quantity
03-565	Overall length: 12 in. (30.48cm); Bristle L × Dia.: 1.5 × 4.25 in. (10.79 × 3.81cm)	Ea.

## Fisherbrand™ Brush with Extension for Flask Curves

- White unbleached hog bristles
- Extended bristled end
- Plastic shaft and handle



Cat. No.	Description	Quantity
03-571-5	Length: 16 in. (40.64cm); Bristle L × Dia.: 10.16 × 3.81cm	Ea.



## Fisherbrand™ Budget-Priced Brushes

- 03-576 is nylon with radial tufted end; rest are unbleached white hog bristles
- Galvanized wire handles resist rust and corrosion



Cat. No.	Description	Quantity
<b>Small</b>		
03-576	Overall length: 9 in. (22.86cm)	12/Pk.
<b>Medium</b>		
03-574	Overall length: 9.5 in. (24.13cm)	12/Pk.
<b>Large</b>		
03573	Overall length: 10.5 in. (26.67cm)	Ea.

## Fisherbrand™ Flat Camel's Hair Brushes

- Hair mounted with metal ferrule
- Wooden handle



Cat. No.	Description	Quantity
03665A	Overall length: 17cm; Hair L x W: 1.9 x 1.3cm	Ea.

## Fisherbrand™ Flexible-Handle Brushes

- Plastic handle bends to allow fitting of bristles to container shape
- Handle has hanging ring



Cat. No.	Description	Quantity
03-570A	For 250mL flasks	Ea.
03570B	For 500mL flasks	Ea.
03-570C	For 1000mL flasks	Ea.

## Fisherbrand™ Funnel or Graduate Brush

- Bristles securely fastened to flat metal strip which inserts into black plastic handle
- Tapered bristle section



Cat. No.	Description	Quantity
03-560	Overall length: 13 in. (33cm); Bristle L x Dia.: 6 x 2.25 in. (15.2 x 5.7cm)	Ea.

## Fisherbrand™ Low-Cost Brush

- Two rows of bristles provide slightly oval shape
- End tuft for cleaning corners
- Wooden handle



Cat. No.	Description	Quantity
03-555	Length: 16 in. (40.64cm); Bristle L x Dia.: 15.24 x 7.6cm	Ea.

## Fisherbrand™ Nessler Tube Brushes

- Full bristles to make complete contact with cylinder walls and bottom
- 03-621A is natural black bristle; others are black nylon
- Radial, double-fan tip
- Galvanized wire handle



Cat. No.	Description	Quantity
<b>Natural black bristle</b>		
03-621A	L: 27cm; Bristle L x Dia.: 10 x 4.4cm	Ea.
<b>Black Nylon bristle</b>		
03-621B	L: 51cm; Bristle L x Dia.: 15.2 x 6cm	Ea.
<b>For low-form tube</b>		
03-621C	L: 76cm; Bristle L x Dia.: 15.2 x 6cm	12/Pk.

## Fisherbrand™ Round Camel's Hair Brush

- Soft brown hair set into metal ferrule mounted on thin wooden handle



Cat. No.	Description	Quantity
03-670	Overall Length: 7.75 in. (19cm); Bristle L x Dia.: 0.81 x 0.18 in. (2.1 x 0.5cm)	12/Pk.

## Fisherbrand™ Stainless-Steel Handled Brushes

- Bristles are chemical-resistant
- Radial tufted end
- Stainless-steel handle is rustproof, corrosion resistant



Cat. No.	Description	Quantity
03-578	Overall length: 9 in. (22.86cm); Bristle L x dia.: 3.5 x 0.75 in. (8.9 x 1.9cm)	12/Pk.
03-572-5	Overall length: 11 in. (27.94 in.); Bristle L x Dia.: 4 x 1.37 in. (10 x 3.5cm)	12/Pk.

## Fisherbrand™ Transfer Pipet Brush

- Nylon Bristles 17" (43cm)



Cat. No.	Description	Quantity
03625	Length: 17 in. (43cm); Bristle Dia. × L: 7.5 × 0.93 in. (19 × 2.4cm)	Ea.

## Fisherbrand™ White Nylon Bristle Brush

- Extra-heavy bristle with double-tufted end
- Wooden handle
- Chemical-resistant



Cat. No.	Description	Quantity
03-536	Length: 40.64cm; Bristle L × dia.: 12.7 × 7.2cm	Ea.

### Burets

#### Automatic Burets - Glass

## Fisherbrand™ Acid-Dispensing Burets

- Precision-grade buret has joint that fits into neck of reservoir bottle



Cat. No.	Description	Quantity
<i>Capac.: 10mL</i>		
03-846AT	Subdivision: 0.05mL; Tolerance: plusminus0.02mL	Ea.
<i>Capac.: 25mL</i>		
03-846BBT	Subdivision: 0.10mL; Tolerance: plusminus0.03mL	Ea.

## Fisherbrand™ Automatic Burets for Petroleum Neutralization

- Petroleum sample is dissolved in beaker, then titrated with standard acid or base reagent from buret until neutralized
- Buret reading indicates amount of reagent dispensed to reach neutralization
- Air openings on buret have drying tubes filled with activated alumina for absorption of vapors and moisture
- Absorbent can be regenerated by heating



Cat. No.	Description	Quantity
<i>Capac.: 5mL</i>		
03-845AAT	Subdivision: 0.02mL; Tolerance: +/-0.01mL	Ea.
<i>Capac.: 10mL</i>		
03-845AT	Subdivision: 0.05mL; Tolerance: +/-0.02mL	Ea.
<i>Capacity: 25mL</i>		
03-845BBT	Subdivision: 0.10mL; Tolerance: +/-0.03mL	Ea.
<i>Capacity: 50mL</i>		
03-845BT	Subdivision: 0.10mL; Tolerance: +/-0.05mL	Ea.

## Fisherbrand™ Automatic Burets with Stopcock

- Inset shows top configuration
- Capacity: 10 and 25mL



Cat. No.	Description	Quantity
<i>Clear</i>		
03-842-1A	10mL	Ea.
<i>Amber</i>		
03-842-2B	25mL	Ea.

## Fisherbrand™ Auto-Zero Class A, Base Burets

- Class A, Base
- Color: Clear
- 2mm Glass stopcock



Cat. No.	Description	Quantity
03-845AA	Volume: 5mL	Ea.
03-845BB	Volume: 25mL	Ea.
03-845B	Volume: 50mL	Ea.

**Burets**

## Fisherbrand™ Manual Student Burets

- Well suited for both educational and routine laboratory work



Cat. No.	Description	Quantity
03-700B	Capac.: 25mL; Subdivision: 0.10mL; Tolerance: +/-0.06mL	Ea.

**Carboys and Jerricans**

**Carboys - Cylindrical**

## Fisherbrand™ Polypropylene Wide-Mouth Carboys with Spigot

- Spigot features spring-loaded lever action. Automatically shuts off when released, or set in a "locked" open position
- Provide convenient dispensing and storage of stock solutions
- Graduated in liters "To Deliver"



Cat. No.	Description	Quantity
12-565-639	Capacity: 2.62 gal. (10L)	Ea.

**Carboys - Rectangular**

## Fisherbrand™ HDPE Rectangular Carboys

- Durable construction for long service life
- Choice of materials for general use or autoclavability
- Space-saving rectangular design
- Wide mouth closure allows for easy filling and cleaning access
- Carboys with spigots include a hose barb insert to accommodate 1/4" to 5/16" ID tubing.
- Spigot spout without the adapter fits 5/8-in. ID tubing
- Materials meet FDA requirements for food use and USP VI criteria (non-toxic)



Cat. No.	Description	Quantity
<i>With spigot</i>		
030-076-43	2.38 gal. (9L)	1/Cs.
<i>Without spigot</i>		
030-076-41	2.38 gal. (9L)	1/Cs.
<i>With spigot</i>		
030-076-44	5.28 gal. (20L)	1/Cs.
<i>Without spigot</i>		
030-076-42	5.28 gal. (20L)	1/Cs.

## Fisherbrand™ Polypropylene Rectangular Carboys

- Durable construction for long service life
- Choice of materials for general use or autoclavability
- Space-saving rectangular design
- Wide mouth closure allows for easy filling and cleaning access
- Carboys with spigots include a hose barb insert to accommodate 1/4" to 5/16" ID tubing.
- Spigot spout without the adapter fits 5/8-in. ID tubing
- Materials meet FDA requirements for food use and USP VI criteria (non-toxic)



Cat. No.	Description	Quantity
<i>With spigot</i>		
030-076-47	2.38 gal. (9L)	1/Cs.
<i>Without spigot</i>		
030-076-45	2.38 gal. (9L)	1/Cs.
<i>With spigot</i>		
030-076-48	5.28 gal. (20L)	1/Cs.
<i>Without spigot</i>		
030-076-46	5.28 gal. (20L)	1/Cs.

## Fisherbrand™ Rectangular Carboy Spigots and Closures

- Spigot closure for the Polypropylene carboys for use when autoclaving with liquid contained inside
- Spigots include a hose barb insert to accommodate 1/4" to 5/16" ID tubing
- Spigot spout without the adapter fits 5/8-in. ID tubing



Cat. No.	Description	Quantity
030-076-49	Closures; 6/cs	6/Cs.
030-076-50	Spigot; 1/cs	1/Cs.

**Cell Lifters**

## Fisherbrand™ Cell Lifters

- Sterilized and individually wrapped in peel-open packaging
- Polyethylene copolymer blade with angled and chiseled edge
- Maintains even contact with growth area in culture dishes



Cat. No.	Description	Quantity
08-100-240	Cell lifter	100/Cs.

Cell Scrapers

### Fisherbrand™ Cell Scrapers

- Presterilized and individually wrapped in peel-open packaging
- Nonpyrogenic
- Polyethylene copolymer blade pivots to permit even contact with growth surface
- Ribbed polystyrene handle provides secure grip and added control
- Flexible joint between blade and handle eases entry into vessel
- Pivoting blade improves position control to adjust for difficult angles during cell harvesting



Cat. No.	Description	Quantity
08-100-241	Small	100/Cs.
08-100-242	Large cell scraper; Handle length: 39cm	100/Cs.

Cell Spreaders

### Fisherbrand™ Cell Spreaders

- Use 30mm wide spreaders for prepared biplates; 60mm for 100 to 150mm prepared plates
- Autoclavable



Cat. No.	Description	Quantity
<i>Sterile</i>		
0810012	30mm; Blue	25/Pk.
08-100-13	60mm; Yellow	25/Pk.
<i>Nonsterile</i>		
08-100-10	30mm; Blue	25/Pk.
08-100-11	60mm; Yellow	25/Pk.

### Fisherbrand™ L-Shaped Cell Spreaders

- Disposable
- Smooth spreading surface with slight upward angle reduces the risk of damaging agar sample
- L-shape allows application on the entire Petri dish or plate surface
- Presterilized blue polypropylene eliminates the need for flaming or autoclaving



Cat. No.	Description	Quantity
14-665-231	Pack of 100	100/Pk.
14-665-230	Pack of 500	500/Pk.

Cell Strainers

### Fisherbrand™ Cell Strainers

- Provide a fast, simple alternative to gauze filtration when dissociating cells from clumps or primary tissues
- Produce more uniform single-cell suspensions
- Polypropylene frame with nylon mesh
- Sterile
- Individually packed



Cat. No.	Description	Quantity
22-363-547	40um; Color: Blue	50/Cs.

22-363-548	70um Color: White	50/Cs.
22-363-549	100um; Color: yellow	50/Cs.

Cellware - Specialty

Chambers and Microslides - Glass

### Fisherbrand™ Coverglass for Growth™ Cover Glasses

- Cells grow directly on cover glass—eliminates trauma associated with transferring cells from flask to slide
- Thickness, 0.13 to 0.17mm (Number 1)



Cat. No.	Description	Quantity
12-545-82	12mm Dia.	1/Pk.
12-545-83	15mm Dia.	1/Pk.
12-545-84	18mm Dia.	1/Pk.
12-545-85	22mm Dia.	1/Pk.
12-545-86	25mm Dia.	1/Pk.

Chromatography Columns and Supplies

Packings for Chromatography Columns

### Alumina, 80-200 Mesh, Fisher Chemical

Cat. No.	Description	Quantity
A540-500	500g; Amber Glass	Ea.

### Florisil Adsorbent (60-100 Mesh), Fisher Chemical

Cat. No.	Description	Quantity
F100-500	500g; Amber glass packaging	Ea.

### Silica Gel Sorbent (230-400 Mesh, Grade 633), Fisher Chemical



Cat. No.	Description	Quantity
S733-1	Grade 633; 1kg; Poly bottle packaging	Ea.

## Silica Gel Sorbent (70-230 Mesh, Grade 100), Fisher Chemical

Cat. No.	Description	Quantity
S829-1	1kg	Ea.

### Paper Chromatography Products

## Fisherbrand™ Pure Cellulose Chromatography Paper

- **Thin paper** (05-714-1) is recommended for analytical separations
- **Thick paper** (05-714-4) is recommended for electrophoresis and general chromatography
- Both grades are carefully tested for spot formation, capillary action, water flowrate<sup>1</sup>, and adsorption speed
- Supplied in 46 × 57cm (18 × 22") sheets



Cat. No.	Description	Quantity
05-714-1	Thickness: 0.19mm	100/Pk.
05-714-4	Thickness: 0.35mm	100/Pk.

### Chromatography Columns and Supplier

## Fisherbrand™ Rectangular TLC Developing Tank

- Can be used with 10 × 10cm, 5 × 10cm or 10 × 20cm plates
- Centering baffle to support plates during development
- Supplied with lid
- Beveled edges and tops and bottoms ground flat



Cat. No.	Description	Quantity
K4161801020	Rectangular TLC Developing Tank	1/Cs.

### Cleaning Products

## Fisherbrand™ Lens Paper

### Booklet

- Never scratches glass lenses, objectives, or other delicate surfaces
- Doesn't become harsh; doesn't readily collect dust or grease
- Virtually lint-free Sheets are glued and bound in a booklet for easy removal



### Dispenser Box

- Same paper as above, but packaged in a convenient dispenser box for fast, single-sheet removal Individual sheets measure 5L × 7"W (13 × 18cm)

Cat. No.	Description	Quantity
11-996	4L × 6 in. W (10.1 × 15.2cm); Sheets per book: 50	600/Pk.
11-997	Lens cleaning paper dispenser	2000/Pk.
11-995	6L × 8 in. W (15.2 × 20.3cm); Sheets per book: 100	1200/Pk.

### Combustion

#### Combustion Boats

## Fisherbrand™ Porcelain Combustion Boats

- Porcelain made
- Color: White



Cat. No.	Description	Quantity
FB-963-A	0.6 × 0.3 × 0.15 in. (17 × 6 × 4mm)	12/Pk.
FB-963-B	2.3 × 0.39 × 0.31 in. (60 × 10 × 8mm)	Ea.
FB-963-C	3.8 × 0.6 × 0.3 in. (97 × 16 × 10mm)	Ea.
FB-963-D	3.9 × 0.7 × 0.5 in. (100 × 20 × 13mm)	Ea.

### Cotton

#### Cotton - Sterile

## Fisherbrand™ Sterile Cotton Balls

- Uniform in size and shape
- Made of pure, natural, bleached cotton for increased absorbency
- Medium size with 0.30g weight per cotton ball



Cat. No.	Description	Quantity
22-456-885	Medium (0.3g/ball)	500/Pk.

#### Cotton - Nonsterile

## Fisherbrand™ Nonsterile Cotton Balls

- Uniform in size and shape
- Made of pure, natural, bleached cotton for increased absorbency
- Available in sizes medium, large, extra large, and bulk roll



Cat. No.	Description	Quantity
22-456-880	Medium	4000/Cs.
22-456-883	Large	2000/Cs.
22-456-882	Extra Large	2000/Cs.
22-456-881	Roll	Ea.



Coverslips

Microscope Coverslips - Glass

### Fisherbrand™ Cover Glasses

- Corrosion-resistant
- Lint-free and ready to use
- Available in squares, circles and rectangles



Cat. No.	Description	Quantity
<b>Circles no. 1</b>		
12-545-80	Thickness: 0.13 to 0.17mm; Size: 12mm	1/Pk.
12-545-100	Thickness: 0.13 to 0.17mm; Size: 18mm	1/Pk.
12-545-102	Thickness: 0.13 to 0.17mm; Size: 25mm	1/Pk.
<b>Circles No. 2</b>		
12-546	Thickness: 0.17 to 0.25mm; Size: 18mm	1/Pk.
<b>Rectangles no. 1</b>		
12-545E	Thickness: 0.13 to 0.17mm; Size: 50 × 22mm	1/Pk.
12545F	Thickness: 0.13 to 0.17mm; Size: 50 × 24mm	1/Pk.
<b>Rectangles no. 1.5</b>		
12-544C	Thickness: 0.16 to 0.19mm; Size: 40 × 24mm	1/Pk.
12-544G	Thickness: 0.16 to 0.19mm; Size: 60 × 22mm	1/Pk.
<b>Squares No. 1</b>		
12-542A	Thickness: 0.13 to 0.17mm; Size: 18mm	1/Pk.
12-542B	Thickness: 0.13 to 0.17mm; Size: 22mm	1/Pk.
<b>Squares no. 1.5</b>		
12-541A	Thickness: 0.16 to 0.19mm; Size: 18mm	1/Pk.
<b>Squares No. 2</b>		
12-540B	Thickness: 0.17 to 0.25mm; Size: 22mm	1/Pk.

### Fisherbrand™ Superslip Cover Slips

- Built-in moisture resistance
- Excellent for use in humid environments



Cat. No.	Description	Quantity
12-545-87	Size: 40 × 24mm; 78 per 1 oz. Pack	1/Pk.
12-545-88	Size: 50 × 24mm; 65 per 1 oz. Pack	1/Pk.

### Fisherfinest™ Premium Cover Glasses

- Made of crystal-clear, pure water-white glass with uniform surface quality, precise squared edge, perfect flatness and exact dimensions
- Precleaned and packaged to stay clean
- Each glass is individually inspected and boxed in a molded plastic container for snugness and easy removal



Cat. No.	Description	Quantity
<b>Size: 22 × 22mm</b>		
12548B	In pack of 1 oz.	1/Pk.
12-544-10	In bulk pack of 4 oz.	1/Pk.
<b>Size: 30 × 22mm</b>		
12-548-5A	In pack of 1 oz.	1/Pk.
<b>Size: 30 × 24mm</b>		
12-548-5G	In pack of 1 oz.	1/Pk.
<b>Size: 40 × 24mm</b>		
12-548-5J	In pack of 1 oz.	1/Pk.
12-544-12	In bulk pack of 4 oz.	1/Pk.
<b>Size: 50 × 22mm</b>		
12-548-5E	In pack of 1 oz.	1/Pk.
<b>Size: 50 × 24mm</b>		
12-548-5M	In pack of 1 oz.	1/Pk.
1254414	In bulk pack of 4 oz.	1/Pk.
<b>Size: 60 × 24mm</b>		
12-548-5P	In pack of 1 oz.	1/Pk.

Coverslips

### Fisherbrand™ Unbreakable Cover Slips

- 0.17 to 0.25mm thick



Cat. No.	Description	Quantity
12-547	Cover slip; Size: 22 × 22mm	1000/Pk.

**Crucibles**

**Alumina Crucibles**

**Fisherbrand™ Alumina Crucibles**

- Available in two forms: high and cylindrical
- Unglazed
- Maximum use temperature: 1750°C
- Resistant to Alkalies, chemical attack and other fluxes
- Inert in hydrogen and carbonaceous atmospheres
- Color: cream



Cat. No.	Description	Quantity
<b>Cylindrical form</b>		
FB-960-A	Capacity: 2mL	Ea.
FB-960-B	Capacity: 5mL	Ea.
FB-960-C	Capacity: 50mL	Ea.
FB-960-D	Capacity: 750mL	Ea.
<b>High-Form</b>		
FB-960-I	Capacity: 10mL	Ea.
FB-960-J	Capacity: 20mL	Ea.
FB-960-K	Capacity: 50mL	Ea.
FB-960-L	Capacity: 100mL	Ea.
FB-960-M	Capacity: 250mL	Ea.

**Fisherbrand™ High-Form Alumina Crucibles Covers**

- For 0.3, 0.6, 1.6 and 3.3 oz. (10, 20, 50 and 100mL) crucibles
- Alumina construction
- Color: cream

Cat. No.	Description	Quantity
<b>For High-Form 10mL crucible</b>		
FB-960-1	Size: 27mm	6/Pk.
<b>For High-Form 20mL crucible</b>		
FB-960-2	Size: 34mm	6/Pk.
<b>For High-Form 50mL crucible</b>		
FB-960-3	Size: 44mm	6/Pk.
<b>For High-Form 100mL crucible</b>		
FB-960-4	Size: 53mm	6/Pk.

**Glass Crucibles**

**Fisherbrand™ Self-Sealing Quartz Crucibles**

- Unique self-sealing lids form airtight seals around the crucible's ground rim
- During a volatiles run, the lid automatically rises to expel accumulated gases
- Lid sinks back to restore the seal and form an oxygen-free atmosphere to prevent sample ashing
- Produces more reproducible results than conventional methods
- During moisture and ash determinations, the lid keeps sample moisture-free
- Eliminate inaccurate weighings caused by moisture uptake
- Perform proximate analysis to determine moisture, volatiles, ash, and fixed carbon on the same sample



Cat. No.	Description	Quantity
10-490-4	10mL	4/Cs.

**Metal Crucibles**

**Fisherbrand™ Nickel Chromium Crucible**

- For volatile matter tests
- Also for ignition, ashing, and incineration purposes where free acids are not present
- Determines volatile matter in coke
- Made of uniform nickel chromium alloy
- Cover sold separately



Cat. No.	Description	Quantity
13-812-120	Nickel Crucible without cover, 13mL	Ea.

**Fisherbrand™ Nickel Crucibles**

- Drawn from one piece of heavy pure sheet nickel and trimmed to final form
- Highly resistant to dilute alkalis
- Covers are made from the same nickel material
- Covers sold separately



Cat. No.	Description	Quantity
13-812-126	20mL	Ea.
13-812-127	30mL	Ea.
13-812-128	50mL	Ea.
13-812-130	100mL	Ea.
13-812-131	250mL	Ea.

## Fisherbrand™ Nickel Crucibles Covers

- Nickel Covers for all Crucibles except 13-812-131



Cat. No.	Description	Quantity
13-812-133	For 30mL nickel crucible	Ea.

## Fisherbrand™ Zirconium Crucibles

- Ideal for sodium peroxide fusions conducted by hand over gas flame
- Made from a polished, solid zirconium strip
- Low, wide form



Cat. No.	Description	Quantity
13-812-122	25mL	Ea.

### Crucibles

## Fisherbrand™ Porcelain 25mL Crucibles

- Material type: Porcelain
- Color: White
- Cubic feet/case: 0.237

Cat. No.	Description	Quantity
FB-960-R	Capacity: 25mL, Fine	Ea.
FB-960-S	Capacity: 25mL, Medium	Ea.

## Fisherbrand™ Porcelain 90mL Dish Crucible

- Material type: Porcelain
- Color: White
- Cubic feet/case: 0.534



Cat. No.	Description	Quantity
FB-962-H	90mL Dish	6/Pk.

## Fisherbrand™ Porcelain Bitumen Filtering Crucible

- Porcelain made
- Color: white
- Capacity: 28mL



Cat. No.	Description	Quantity
FB-960-G	Bitumen Crucible, White	Ea.

## Fisherbrand™ Porcelain Capsule-Form Crucibles

- Material: porcelain
- Chemical resistant
- Rounded bottom
- Withstands high temperatures
- Color: white
- Available in capacities of 17, 20, 25 and 30mL

Cat. No.	Description	Quantity
FB-960-U	Capacity: 0.6 oz. (17mL)	6/Pk.
FB-960-W	Capacity: 0.7 oz. (20mL)	6/Pk.
FB-960-V	Capacity: 0.9 oz. (25mL)	6/Pk.
FB-960-X	Capacity: 1.2 oz. (35mL)	6/Pk.

## Fisherbrand™ Porcelain Casserole Crucibles

- Made of Porcelain
- Color: White



Cat. No.	Description	Quantity
FB-962-A	Capacity: 20mL	Ea.
FB-962-B	Capacity: 60mL	Ea.
FB-962-C	Capacity: 140mL	Ea.
FB-962-D	Capacity: 210mL	Ea.
FB-962-E	Capacity: 500mL	Ea.

## Fisherbrand™ Porcelain Flat Capsule Crucibles

- Chemical-porcelainware
- Straight sides
- Flatbottom
- Glazed inside and out except for rim
- Color: white



Cat. No.	Description	Quantity
FB-960-0	Capacity: 12mL	6/Pk.
FB-960-P	Capacity: 25mL	6/Pk.

## Fisherbrand™ Porcelain Rose Crucible

- Unglazed
- Without perforated cover or tube
- Color: white
- Capacity: 2.54 oz. (75mL)



Cat. No.	Description	Quantity
FB-960-Z	Capacity: 2.54 oz. (75mL)	6/Pk.

### Cuvets and Cells

#### Spectroscopy Round or Tube Cells

## Fisherbrand™ Round Cuvets

- Reference mark near top assists repositioning
- Manufactured from borosilicate glass
- Available in case of 36



Cat. No.	Description	Quantity
14-385-900B	Dia. x H: 13 x 100mm	36/Cs.

### Cuvets

## Fisherbrand™ Quartz and Glass Micro Cells



Cat. No.	Description	Quantity
<i>Suprasil quartz windows</i>		
14-385-927B	Height: 25mm	2/Pk.
14-385-928A	Height: 45mm	2/Pk.

## Fisherbrand™ Quartz Ultramicro cells

- 8.5mm center height fits most Beckman™ Instruments and SPECTRONIC™ spectrophotometers
- 15.0mm cells fit most Hewlett-Packard™, Perkin-Elmer™, Shimadzu™, Unicam™ and GBC spectrophotometers Choice of correct center height is made such that optical aperture matches center position of light beam



Cat. No.	Description	Quantity
14-385-928E	Center height: 8.5mm; 50uL	Ea.
14-385-928C	Center height: 8.5mm; 100uL	Ea.
14-385-928F	Center height: 15mm; 50uL	Ea.
14-385-928D	Center height: 15mm; 100uL	Ea.

### Cylinders - Laboratory

#### Graduated Cylinders - Plastic

## Fisherbrand™ Polymethylpentene Graduated Cylinders

- Transparent cylinders with large molded-in graduations
- Easy to read
- Large rounded bases ribbed for reinforcement and stability
- Generous pour spout; 10mL size has a conical top for easier filling and pouring
- Non-wetting
- Chemical, heat and impact resistant
- Window-clear



Cat. No.	Description	Quantity
03-007-31	Capacity: 25mL; Subdivisions: 0.5mL	Ea.
03-007-32	Capacity: 50mL; Subdivisions: 1mL	Ea.
03-007-33	Capacity: 100mL; Subdivisions: 1mL	Ea.
03-007-35	Capacity: 500mL; Subdivisions: 5mL	Ea.
03-007-36	Capacity: 1000mL; Subdivisions: 10mL	Ea.
03-007-37	Capacity: 2000mL; Subdivisions: 20mL	Ea.

## Fisherbrand™ Polypropylene Graduated Cylinders

- Translucent cylinders
- Molded-in large, easy-to-read graduations
- Large rounded base ribbed for reinforcement and stability
- Generous pour spout; 10mL size has a conical top for easier filling and pouring
- Non-wetting
- Chemical resistant
- Contact-clear



Cat. No.	Description	Quantity
0300738	Capacity: 10mL; Subdivisions: 0.2mL	Ea.
0300739	Capacity: 25mL; Subdivisions: 0.5mL	Ea.
0300740	Capacity: 50mL; Subdivisions: 1mL	Ea.
0300741	Capacity: 100mL; Subdivisions: 1mL	Ea.
0300742	Capacity: 250mL; Subdivisions: 2mL	Ea.
0300743	Capacity: 500mL; Subdivisions: 5mL	Ea.
0300744	Capacity: 1000mL; Subdivisions: 10mL	Ea.
0300745	Capacity: 2000mL; Subdivisions: 20mL	Ea.

### Graduated Cylinders Rated To Contain - Glass

## Fisherbrand™ Serialized Class A Cylinders with Certificate of Traceability

- Serialized Class A
- With traceability
- Borosilicate glass
- White scale



Cat. No.	Description	Quantity
08-559A	Capacity: 10mL	Ea.
08-559B	Capacity: 25mL	Ea.
08-559D	Capacity: 100mL	Ea.
08-559E	Capacity: 250mL	Ea.
08-559F	Capacity: 500mL	Ea.
08-559G	Capacity: 1000mL	Ea.
08-559H	Capacity: 2000mL	Ea.

## Fisherbrand™ Serialized Class A Graduated Cylinders with Certificate of Calibration

- White scale



Cat. No.	Description	Quantity
08-559AC	10mL	Ea.
08-559BC	25mL	Ea.
08-559CC	50mL	Ea.
08-559EC	250mL	Ea.
08-559FC	500mL	Ea.
08-559GC	1000mL	2/Cs.

## Fisherbrand™ Standard Class B Graduated Cylinders

- White-ceramic graduations
- Heavy round bases (except 2000mL size, which has molded hexagonal base)
- Handy pouring spouts
- Accuracy is assured even at the lowest graduations

Cat. No.	Description	Quantity
08-557-1A	Capacity: 10mL; Subdivisions: 0.2mL	2/Pk.
08-557-1B	Capacity: 25mL; Subdivisions: 0.5mL	Ea.
08-557-1C	Capacity: 50mL; Subdivisions: 1mL	Ea.
08-557-1D	Capacity: 100mL; Subdivisions: 1mL	Ea.
08-557-1E	Capacity: 250mL; Subdivisions: 2mL	Ea.
08-557-1F	Capacity: 500mL; Subdivisions: 5mL	Ea.
08-557-1G	Capacity: 1000mL; Subdivisions: 10mL	Ea.
08-557-1H	Capacity: 2000mL; Subdivisions: 20mL	Ea.

### Graduated Cylinders Rated To Deliver - Glass

## Fisherbrand™ Class B Cylinders with Double Metric Scales

- Two sets of white ceramic graduations for reading up or down
- Heavy base
- Pouring lip
- Accuracy assured even at lowest graduations; first 10% of volume at bottom is not graduated



Cat. No.	Description	Quantity
08-555E	Capacity: 250mL; Subdivisions: 2mL; Tolerance: +/-2.0mL	Ea.
08-555F	Capacity: 500mL; Subdivisions: 5mL; Tolerance: +/-2.6mL	Ea.
08-555G	Capacity: 1000mL; Subdivisions: 10mL; Tolerance: +/-6.0mL	Ea.



## Fisherbrand™ Class B Cylinders with Single Amber Metric Scale

- Ideal for use with light-colored liquids
- Dark amber graduations provide contrast for easy readings
- Heavy round bases and pouring spouts
- Accuracy is assured even at lowest graduations; first 10% of volume is not graduated



Cat. No.	Description	Quantity
08-570A	5mL	Ea.
08-570H	1000mL	Ea.

## Fisherbrand™ Serialized Class A Cylinders with Certificate of Calibration

- Traceability
- White scale



Cat. No.	Description	Quantity
08-557AC	10mL	Ea.
08-557BC	25mL	Ea.
08-557CC	50mL	Ea.
08-557DC	100mL	Ea.
08-557EC	250mL	Ea.
08-557FC	500mL	Ea.
08-557HC	2000mL	Ea.

## Fisherbrand™ Serialized Class A Cylinders with Certificate of Traceability

- Serialized
- White scale
- Molded hexagonal base



Cat. No.	Description	Quantity
08-557A	Capacity: 10mL; Subdivisin 0.1mL	Ea.
08-557B	Capacity: 25mL; Subdivision: 0.2mL	Ea.
08-557C	Capacity: 50mL; Subdivisions: 1mL	Ea.
08-557D	Capacity: 100mL; Subdivisions: 1mL	Ea.
08-557E	Capacity: 250mL; Subdivisions: 2mL	Ea.
08-557F	Capacity: 500mL; Subdivisions: 5mL	Ea.
09-730-30	Capacity: 1000mL; Subdivisions: 10mL	Ea.
08-557H	Capacity: 2000mL; Subdivisions: 20mL	Ea.

## Fisherbrand™ Standard Class B Graduated Cylinders

- White-ceramic graduations
- Heavy round bases
- Handy pouring spouts
- Accuracy is assured even at the lowest graduations; first 10% volume is not graduated

Cat. No.	Description	Quantity
08-550B	Capacity: 10mL; Subdivisions: 0.2mL	Ea.
08-550C	Capacity: 25mL; Subdivisions: 0.5mL	Ea.
08-550D	Capacity: 50mL; Subdivisions: 1mL	Ea.
08-550E	Capacity: 100mL; Subdivisions: 1mL	Ea.
08-550F	Capacity: 250mL; Subdivisions: 2mL	Ea.
08-550G	Capacity: 500mL; Subdivisions: 5mL	Ea.
08-550H	Capacity: 1000mL; Subdivisions: 1mL	Ea.
08-550J	Capacity: 2000mL; Subdivisions: 20mL	Ea.

### Cylinders

## Fisherbrand™ Class B Mixing Cylinders

- Double metric scale
- White-enamel graduations
- Ground-glass pennyhead stoppers First 10% of volume not graduated
- Autoclavable up to 121°C, 10- to 15-minute intervals recommended



Cat. No.	Description	Quantity
08-565D	100mL; Subdiv: 1mL	Ea.

### Decontaminants and Disinfectants

## Fisherbrand™ Sterile Alcohol Prep Pads

- Medium-sized (1.1 × 2.6")
- Sterile, 2-ply non-woven sponges
- Saturated with 70% Isopropyl Alcohol
- Available in smaller package size of 200/Pk.



Cat. No.	Description	Quantity
22363750	Alcohol Prep Pad	200/Pk.

Detergents and Cleaners

### Fisherbrand™ Sparkleen™ 1 Detergent

- For manual washing
- Fast-dissolving powder
- Free rinsing
- Contains phosphates
- Softens water, removes stains



Cat. No.	Description	Quantity
04-320-4	3.33 lb. (1.5kg)	Ea.

### Fisherbrand™ Versa-Clean™ Concentrate

- Safe for all washable surfaces including plastic and glass labware, porcelain, ceramic, stainless steel; harmless to most metals
- Readily biodegradable in seven days Mild pH Non-fuming Non-corrosive No phosphates Ozone friendly
- Environmentally Friendly: Item contains environmental attributes or features (e.g. water conserving, lead-free, etc.) as described in the item detail
- Non-toxic: Item is non-toxic



Cat. No.	Description	Quantity
04-342	33.87 oz. (1L)	Ea.
04-343	1-1.06 gal. (4L)	Ea.

Dialysis and Desalting Products

Dialysis Tubing

### Fisherbrand™ Regenerated Cellulose Dialysis Tubing

- Made from regenerated cellulose membrane
- MWCOs from 3500 to 14,000 Daltons
- Individual lot data sheets from outside laboratory supplied with tubing Types T1, T2, and T3; standard grade Type T4 is not tested in outside laboratory



Cat. No.	Description	Quantity
21-152-7	Flat width: 10mm; Dia. × Length: 6.37mm × 15m	Ea.
21-152-10	Flat width: 19mm; Dia. × Length: 12.1mm × 15m	Ea.
21-152-3	Flat width: 23mm; Dia. × Length: 14.6mm × 30m	Ea.
21-152-18	Flat width: 25mm; Dia. × Length: 15.9mm × 15m	Ea.
21-152-16	Flat width: 25mm; Dia. × Length: 15.9mm × 30m	Ea.
21-152-4	Flat width: 32mm; Dia. × Length: 20.4mm × 30m	Ea.
21-152-15	Flat width: 33mm; Dia. × Length: 21.0mm × 30m	Ea.
21-152-5	Flat width: 40mm; Dia. × Length: 25.5mm × 30m	Ea.
21-152-8	Flat width: 45mm; Dia. × Length: 28.6mm × 15m	Ea.
21-152-14	Flat width: 45mm; Dia. × Length: 28.6mm × 30m	Ea.
21-152-9	Flat width: 46mm; Dia. × Length: 29.3mm × 15m	Ea.
21-152-6	Flat width: 50mm; Dia. × Length: 31.8mm × 30m	Ea.

Dishes

Evaporating Dishes

### Fisherbrand™ Low- and Tall-Form PTFE Evaporating Dishes

- With heavy walls
- With pouring spout



Cat. No.	Description	Quantity
02-617-151	Capacity: 400mL; 5.1D × 1.41 in. H (130 × 36mm)	Ea.

### Fisherbrand™ Porcelain Evaporating Dishes

- Round bottom
- Glazed inside and out except for rim.
- Highly resistant to chemicals
- Withstand temperatures up to 1150°C (2102°F)
- Without cover



Cat. No.	Description	Quantity
FB-962-J	Capacity: 30mL	6/Pk.
FB-962-K	Capacity: 50mL	6/Pk.
FB-962-L	Capacity: 75mL	6/Pk.
FB-962-M	Capacity: 100mL	6/Pk.
FB-962-N	Capacity: 195mL	6/Pk.
FB-962-O	Capacity: 290mL	Ea.

Staining Dishes - Glass

### Fisherbrand™ Glass Staining Dishes for 10 Slides, with Ground Glass Cover

- Heavy molded glass Coplin staining dish holds slides vertically
- Rectangular body with five grooves



Cat. No.	Description	Quantity
<i>With ground glass cover</i>		
08-815	Holds standard 3 × 1 in. (75 × 25mm) slides	Ea.

## Fisherbrand™ Glass Staining Dishes for 10 Slides, with Screw Cap

- Heavy molded glass Coplin staining dish holds slides vertically
- Rectangular body with five grooves
- With tight-fitting plastic screw cap



Cat. No.	Description	Quantity
<i>With screw cap</i>		
08-816	Holds standard 3 × 1 in. (75 × 25mm) slides	Ea.

## Fisherbrand™ Glass Staining Dishes for 16 Slides

- Eight grooves, each wide enough to hold two slides back-to-back
- With molded glass cover



Cat. No.	Description	Quantity
<i>With molded glass cover</i>		
08-817	Holds standard 3 × 1 in. (75 × 25mm) slides	Ea.

## Fisherbrand™ Glass Staining Dishes for 20 Slides

- Holds slides horizontally
- With cover



Cat. No.	Description	Quantity
08-810	Glass Staining Dish	Ea.

### Dishes

## Fisherbrand™ Aluminum Weighing Dish 12-Pack



Cat. No.	Description	Quantity
13-807-23	Pack of 12	12/Pk.

## Fisherbrand™ Hexagonal Polystyrene Weighing Dishes

- Bend easily into pouring spouts to enable nonspill transfer
- Flat bottoms and sloping sides with 0.187" (4.8mm) inside corner radius ensure complete transfer
- Do not react to most substances
- Disposable Stack compactly for convenient storage and accessibility



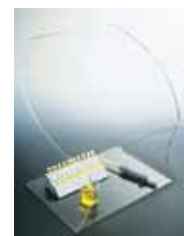
Cat. No.	Description	Quantity
<i>Small</i>		
02-202-100	Top I.D.: 1.4 in. (3.6cm); Base I.D.: 0.9 in. (2.4cm); Depth: 0.4 in. (0.95cm)	500/Pk.
<i>Medium</i>		
02-202-101	Top I.D.: 2.5 in. (6.4cm); Base I.D.: 1.8 in. (4.7cm); Depth: 0.6 in. (1.5cm)	500/Pk.
<i>Large</i>		
02-202-102	Top I.D.: 4 in. (10.2cm); Base I.D.: 3.3 in. (8.5cm); Depth: 0.875 in. (2.2cm); Large	500/Pk.
<i>X-Large</i>		
02-202-103	Top I.D.: 5.1 in. (13.2cm); Base I.D.: 3.6 in. (9.2cm); Depth: 1.25 in. (3.2cm)	500/Pk.

### Dispensers

#### Facemask Dispensers

## Fisherbrand™ Splash Shield™

- Made from 0.25" thick (0.6cm) clear acrylic for durability
- Provides excellent visibility while protecting the face and neck from accidental splashes
- Lower end of shield is just 12"W (30.5cm), so it's easy to pipet or to perform other functions behind the shield
- Nonskid feet for added stability



Cat. No.	Description	Quantity
17-987-421	Splash Shield	Ea.

### Tape Dispensers

## Fisherbrand™ Multiple-Roll Tape Dispensers

- For dispensing multiple rolls with a 1" dia. (25mm) core (14 yd. [13m] of tape)
- Accommodate 0.50, 0.75, or 1" wide (13, 19, or 25mm) tapes for a total dispensing width of 9.50" (24cm)
- Dispensers stay put with bottom suction cups



Cat. No.	Description	Quantity
15-912	For rolls with: 14 yd. (13m) tape	Ea.
15-909	For rolls with: 60 yd. (55m) tape	Ea.

Dispensers

### Fisherbrand™ Acrylic Dispenser for Wipes

- Extra weight for one-hand dispensing
- Clear holder mounts to wall or bench with two strips of double-sided tape or mounting screws (not included)
- Sized for small or large Kimwipes boxes



Cat. No.	Description	Quantity
06-666-50	Small	Ea.

### Fisherbrand™ MagWipe™ Lab Wipers Rack

- **Helps reduce bench clutter:** Simple and practical solution
- **Four powerful magnets:** Securely holds onto most metal surfaces
- **Material:** Robust shatter-resistant ABS plastic in bright, translucent blue color
- **Holds:** Fisherbrand Delicate Task Wipes 280-sheet boxes or other 120 × 120 × 75mm wiper boxes



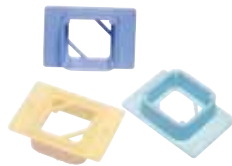
Cat. No.	Description	Quantity
120-067	Blue; L × W × H: 5.1 × 3.6 × 3.86 in. (130 × 91 × 98mm)	Ea.

Embedding Accessories

Base Molds

### Fisher Scientific™ Tissue Path™ Disposable Embedding Rings

- High-impact polystyrene ensures accurate positioning of tissue samples
- Etched marking surface can be easily written on for positive sample identification
- Rings fit both shallow and deep base molds



Cat. No.	Description	Quantity
22-038-197	White	1000/Cs.

Biopsy Bags

### Fisherbrand™ Nylon Biopsy Bags

- Allow unrestricted fluid movement around tissue
- Made from nylon cloth with precise mesh diameter
- Reduce cross-contamination and pressure artifacts often found with using sponges

Cat. No.	Description	Quantity
15-182-501	Medium	200/Pk.

Embedding Accessories

### Fisherbrand™ Biopsy Foam Pads

- Use to hold samples in place and prevent them from being lost during processing
- Made from a cellular polyester urethane foam
- Samples are sandwiched between foam pads and are placed in either tissue capsules or cassettes with metal or plastic lids



Cat. No.	Description	Quantity
22-038-221	Rectangular foam pad; 30.2L × 25W × 2mm H	1000/Pk.

Embedding Cassettes

### Fisherbrand™ Histosette II™ Tissue and Biopsy Cassettes

- Disposable, plastic cassettes hold tissue specimens during embedding, processing, and storage
- Molded from a special high-density polymer Resistant to the chemical action of histological solvents
- Efficient flow-through slots maximize fluid exchange and ensure proper drainage
- One-piece integral lid eliminates the need for separate steel lids
- The anterior writing surface is slanted at a 45° angle, making the cassette more suitable for use with certain types of labeling instruments



Cat. No.	Description	Quantity
15-182-701B	Combination Lid and Base; Color: Pink	1500/Cs.
15-182-701A	Combination Lid and Base; Color: White	1500/Cs.

### Fisherbrand™ TRUFLOW™ Tissue and Biopsy Cassettes

- Hold tissue and biopsy specimens during the embedding process as well as in a storage file
- Molded from a special high-density polymer that is totally resistant to histological solvents
- Efficient flow-through slots maximize fluid exchange and ensure proper drainage
- One-piece integral lid eliminates the need for separate steel lids
- Can be opened or closed as often as necessary and relocked securely without danger of specimen loss
- Large labeling areas are located on three sides of the cassette
- Anterior writing area at a 30° angle



Cat. No.	Description	Quantity
15-200-403J	Aqua	1500/Cs.
15-200-403B	Pink	1500/Cs.
15-200-403E	White	1500/Cs.

## Fisher Scientific™ Tissue Path™ IV Tissue Cassettes

- Unique, two-piece molded hinge ensures specimen safety and facilitates easy removal of the cassette cover from the base during the embedding procedure
- Cover and base can be disassembled and reassembled with ease
- Cassettes fit all sizes of popular base molds, metal and plastic
- Three-sided writing surface assures positive identification
- Slotted design ensures thorough and rapid exchange of processing fluids
- Resistant to solvents, decalcifying solutions, and compatible with microwave techniques



Cat. No.	Description	Quantity
22-272-417	Blue	1000/Cs.
22-272-423	Gray	1000/Cs.
22-272-419	Green	1000/Cs.
22-272-420	Pink	1000/Cs.
22-272-416	White	1000/Cs.
22-272-418	Yellow	1000/Cs.

### Eye Protection Products

#### Faceshields and Visors

## Fisherbrand™ Full- and Mid-Size Faceshields

- Polyester lens is treated with antifog and antistatic coating
- Headpiece is held in place by a stretch strap and includes a latex-free foam band for comfortable extended wear



Cat. No.	Description	Quantity
19-460-102	Full faceshield	25/Pk.
19-460-101	Mid-Faceshield	25/Pk.

## Fisherbrand™ Polycarbonate Faceshield

- Provides 99.9% UV protection up to 380nm
- Ledge on headgear prevents fluid from splashing down inside the window
- Pinlock headgear can be sterilized and disinfected; window can be steam autoclaved



Cat. No.	Description	Quantity
18-999-4542	Economy polycarbonate faceshield	Ea.

### Safety Glasses

## Fisherbrand™ Racer Series Crew Chief Eyewear

- True dual-lens styling makes this a fashionable choice
- A soft nose bridge and rubber-tipped side arms offer a comfortable grip Choose from black nylon frames



Cat. No.	Description	Quantity
<b>Black frame</b>		
19-042-1015	Clear lens	12/Pk.
<b>Black frames</b>		
19-042-1017	Dark gray lens	12/Pk.
19-042-1016	Flash mirror lens	12/Pk.
<b>Silver frames</b>		
19-042-1018	Clear lens	12/Pk.
19-042-1019	Dark gray lens	12/Pk.

## Fisherbrand™ Racer Series Qualifier Eyewear

- Flared single-lens design provides sleek protection
- Soft nose bridge and bayonet-style side arms grip lightly but firmly for a comfortable, confident fit
- Black nylon frames



Cat. No.	Description	Quantity
<b>Black frame</b>		
19-042-1000	Clear lens	12/Pk.
19-042-1002	Flash mirror lens	12/Pk.

### Eye Protection

## Fisherbrand™ Chemical Splash and Impact Goggles

- Built for comfortable protection with a soft, flexible PVC body that conforms to facial contours
- Large frames fit over most prescription eyewear
- Coated, clear polycarbonate lens resists impact, scratching, and fogging Headstrap easily adjusts for a custom fit



Cat. No.	Description	Quantity
19-181-504	Chemical Splash goggles; Lens w/antifog, antiscratch coating	Ea.
19-181-503	Impact goggles	Ea.



Floor Coverings

## Fisherbrand™ Hard Surface Adhesive Mats

- Ideal for use in electronic, pharmaceutical, laboratory and food industry cleanrooms
- When top sheet becomes soiled, peel it off to expose fresh, clean surface
- Reorder notification on 18th sheet
- Blue sheets on blue mat
- Highly effective in dust removal and easy to use
- Moderate Tack for standard clean needs
- High Tack for critical environment users
- Each mat has top and bottom cover sheets



Cat. No.	Description	Quantity
19-181-519	Moderate tack; 36L x 18 in. W (91 x 46cm)	4/Cs.

Film and Foil Wrapping

## Fisherbrand™ Aluminum Foil

**Rolls:**

- Packed in individual dispenser box with cutter bar
- Heavy-gauge rolls (0.024mm thick) offer greater folding strength, good for covering sharp edges



**Sheets:**

- Packed in individual pop-up dispenser box
- Standard-gauge individual sheets (0.013mm thick) offer greater folding strength, good for covering sharp edges

Cat. No.	Description	Quantity
<b>Standard-gauge roll</b>		
01 213 100	Width: 12 in. (30.4cm); Length: 25 ft. (7.62m); Thickness: 0.018mm	Ea.
01-213-101	Width: 12 in. (30.4cm); Length: 200 ft. (60.96m)	Ea.
01-213-102	Width: 30.4cm; Length: 152.4m	Ea.
<b>Heavy-gauge roll</b>		
01-213-103	Width: 18 in. (45.7cm); Length: 25 ft. (7.62m)	Ea.
01 213 104	Length: 50 ft. (15.24m); 0.024mm thick	Ea.
01-213-105	Width: 45.7cm; Length: 152.4m	Ea.
<b>Sheets</b>		
01-213-106	Size: 9 in. x 10.6 in. (230mm x 270mm)	200/Pk.

## Fisherbrand™ Clear Plastic Lab Wrap

- Made of 100% ultraclean polyethylene—ensures sample purity and eliminates contamination
- High-cling properties make it ideal for wrapping of beakers, flasks, or Petri dishes with an extraordinarily tight seal that stays in place
- Low-tangle properties ensure wrap won't ball up when being handled
- Carton has convenient metal tear-off bar



Cat. No.	Description	Quantity
22305654	Roll; L x W: 100 ft. x 12 in.	Ea.

## Fisherbrand™ Polyvinyl Wrapping Film

- Gas permeable, making it especially good for covering culture trays
- Also useful for wrapping or covering any perishable material for refrigerator or freezer storage



Cat. No.	Description	Quantity
15-610	18 in. x 1000 ft. (45cm x 305m)	Ea.

Filtration Products

Bottle Top and Filter Units

## Fisherbrand™ Disposable Filter Columns

- Save time and money Help eliminate inaccurate readings
- To use, just hold screening column over sample cup
- Decant directly through the column into sample cups — no pipetting
- Filters 200 to 300µm When filtration is complete, discard column Sample is ready for analysis Columns are graduated in 0.5mL divisions
- Serum filter column for final filtration directly into sample cups for Technicon™ 6/60™, 12/60™, and SMAC analyzers
- Large flow channel and less capillarity let all the sample through Filters particles as small as 40 to 50µm Helps reduce line clogging



Cat. No.	Description	Quantity
11-387-50	200 to 300µm; Graduated in 0.5mL divisions	1000/Cs.

Centrifugal Filter Devices

## Fisherbrand™ Single Cytology Funnels

- Functional equivalent of the Shandon Single Cytofunnel™
- Fully compatible with Shandon CytoSpin Centrifuge
- White Filter Card is pre-attached and is designed for single use only
- Brown Filter Card for slower absorption of sparse samples—ideal for CSF
- Funnel sealing caps included
- For sample volumes of up to 0.4mL or less
- Provides consistent and homogeneous cell deposition area of 6mm
- Available with white or brown filter card



Cat. No.	Description	Quantity
10-354	For volumes up to 0.4mL or less; 10/Cs.; 50/Pk.	50/Pk.
10-355	For volumes up to 0.4mL or less; 500/Pk.	500/Cs.

Filtration Membranes - Discs

## Fisherbrand™ General Filtration Membrane Filters

- Plain, white membrane filters
- Pure, biologically inert mixture of cellulose acetate and cellulose nitrate (MCE)
- Compatible with dilute acids and bases, aliphatic and aromatic hydrocarbons, and nonpolar liquids
- Filters wet readily with water and other fluids
- Contain no fibers or particles to contaminate filtrate
- Autoclavable



Cat. No.	Description	Quantity
09-719-2B	Dia.: 47mm; Pore Size: 0.2um	100/Pk.
09-719-2H	Dia.: 47mm; Pore Size: 0.8um	100/Pk.
09-719-2E	Dia.: 47mm; Pore Size: 0.45um	100/Pk.

Glass Fiber Filters and Prefilters

## Fisherbrand™ Filters for TCLP

- 47mm size recommended for use with 09-753-1A Filter Holder in filtering highly granular samples or those with <10% solids
- 90mm size recommended for use with 09-753-2 Filter Holder with highly granular samples
- 142mm size provides four times the filtration area of 47mm filters (ideal for samples with >10% solids); recommended for use with 09-753-25J Filter Holder with reservoir



Cat. No.	Description	Quantity
09-804-142H	Diameter: 47mm	100/Pk.

## Fisherbrand™ Glass Fiber Circles

- Low hygroscopicity
- Chemically and biologically inert, with no organic binders
- Offer higher retention efficiency of fine particles (<3µm in size)
- Resist clogging for greater loading capacity than cellulose paper filters
- Autoclavable and usable to 500°C (932°F)
- Filters should be used flat: folding will break the glass fibers



Cat. No.	Description	Quantity
<b>Grade G2</b>		
09-804-21B	Diameter: 21mm	100/Pk.
09-804-55B	Diameter: 55mm	100/Pk.
<b>Grade G4</b>		
09-804-21C	Diameter: 21mm	100/Pk.
09-804-24C	Diameter: 24mm	100/Pk.
09-804-90C	Diameter: 90mm	100/Pk.
09-804-55C	Diameter: 55mm	100/Pk.
09-804-70C	Diameter: 70mm	100/Pk.
<b>Grade G6</b>		
09-804-21A	Diameter: 21mm	100/Pk.
09-804-24A	Diameter: 24mm	100/Pk.
09-804-42A	Diameter: 42.5mm	100/Pk.
09-804-55A	Diameter: 55mm	100/Pk.
09-804-70A	Diameter: 70mm	100/Pk.
09-804-90A	Diameter: 90mm	100/Pk.
09-804-110A	Diameter: 110mm	100/Pk.
09-804-125A	Diameter: 125mm	100/Pk.
09-804-150A	Diameter: 150mm	100/Pk.
<b>Grade G8</b>		
09-804-21D	Diameter: 21mm	100/Pk.
09-804-25D	Diameter: 25mm	100/Pk.
09-804-42D	Diameter: 42.5mm	100/Pk.
09-804-70D	Diameter: 70mm	100/Pk.

Hardware for Filtration

## Fisherbrand™ Glass Microanalysis Vacuum Filter Holders



Cat. No.	Description	Quantity
<b>Fritted glass support</b>		
09-753E	25mm; 25mL; No. 5 Silicone Stopper for 125mL flask	Ea.
09-753-1A	47mm; 300mL; No. 8 Silicone Stopper; For 1L flask/manifold	Ea.
<b>PTFE gasket and flange</b>		
09-753-1E	47mm; 300mL; No. 8 silicone stopper for 1L flask or manifold	Ea.
<b>Steel support (100 mesh)</b>		
09-753-1C	47mm; 300mL; No. 8 silicone stopper for 1L flask or manifold;	1/Cs.

## Fisherbrand™ Vacuum Filter Holder Replacement Parts and Accessories

Cat. No.	Description	Quantity
09-753-27B	Sintered Support Base, Diameter: 90mm	Ea.
09-753-26C	Funnel, Capacity: 300mL, Diameter: 47mm, PTFE Coated	Ea.

### Microbiological Analysis Filters

## Fisherbrand™ Water-Testing Membrane Filters

- Gridded to aid in counting and colony differentiation
- 0.45µm pore size with 47mm diameter
- Fit standard 2" (5cm) Petri dishes



Cat. No.	Description	Quantity
09-719-555	47mm; Sterile	600/Pk.

### Qualitative Filter Paper

## Fisherbrand™ Fluted Qualitative Filter Paper Circles

- For use with conical funnels
- High wet strength†



Cat. No.	Description	Quantity
09-790-14D	Diameter: 12.5cm	100/Pk.
09-790-14E	Diameter: 15cm	100/Pk.
09-790-14G	Diameter: 24cm	100/Pk.

## Fisherbrand™ Qualitative Grade Plain Filter Paper Circles and Sheets - P4 Grade

- Cellulose fiber papers
- Available as circular, rectangular, and square sheets
- Good wet strength
- Suitable for gravity, vacuum filtration systems and low suction filtration
- Particle Retention: 4–8µm
- Medium-fine porosity
- Filtration Speed: Herzberg, 730 sec.
- Flowrate: Slow—25mL/min.
- Surface: Smooth



Cat. No.	Description	Quantity
09-803-6A	Diameter: 4.25cm	100/Pk.
09-803-6B	Diameter: 5.5cm	100/Pk.
09-803-6C	Diameter: 7cm	100/Pk.
09-803-6D	Diameter: 9cm	100/Pk.
09-803-6E	Diameter: 11cm	100/Pk.
09-803-6F	Diameter: 12.5cm	100/Pk.
09-803-6G	Diameter: 15cm	100/Pk.
09-803-6H	Diameter: 18.5cm	100/Pk.
09-803-6K	Diameter: 24cm	100/Pk.

## Fisherbrand™ Qualitative Grade Plain Filter Paper Circles and Sheets - P5 Grade

- Cellulose fiber papers
- Available as circular, rectangular, and square sheets
- Good wet strength
- Suitable for gravity, vacuum filtration systems and low suction filtration
- Particle Retention: 5–10µm
- Medium porosity
- Filtration Speed: Herzberg, 230 seconds
- Flowrate: Slow—60mL/min.
- Surface: Smooth



Cat. No.	Description	Quantity
<b>Circles</b>		
09-801BB	3.5cm dia.	100/Pk.
09-801A	7cm dia.	100/Pk.
09-801B	9cm dia.	100/Pk.
09-801C	11cm dia.	100/Pk.
09-801D	12.5cm dia.	100/Pk.
09-801E	15cm dia.	100/Pk.
09-801G	24cm dia.	100/Pk.
<b>Sheets</b>		
09-802	50 × 50cm	500/Pk.

## Fisherbrand™ Qualitative Grade Plain Filter Paper Circles and Sheets - P8 Grade

- Cellulose fiber papers
- Available as circular, rectangular, and square sheets
- Good wet strength
- Suitable for gravity, vacuum filtration systems and low suction filtration
- Particle Retention: 20–25µm
- Coarse porosity
- Filtration Speed: Herzberg, 55 seconds
- Flowrate: Fast—160mL/min.
- Surface: Smooth, open texture



Cat. No.	Description	Quantity
<b>Circles</b>		
09-795B	7cm dia.	100/Pk.
09-795C	9cm dia.	100/Pk.
09-795D	11cm dia.	100/Pk.
09-795E	12.5cm dia.	100/Pk.
09-795F	15cm dia.	100/Pk.
09-795G	18.5cm dia.	100/Pk.
09-804	19cm dia.	100/Pk.
09-795H	20.5cm dia.	100/Pk.
09-795J	24cm dia.	100/Pk.
09-795K	33cm dia.	100/Pk.
<b>Sheets</b>		
09-802-1B	46 × 57cm	100/Pk.
09-800	50 × 50cm	500/Pk.

### Quantitative Filter Paper

## Fisherbrand™ Quantitative Grade Filter Paper Circles

- Made from high-quality alpha cotton cellulose, washed in hydrochloric acid and neutralized in an ultrapure water rinse
- Leave no more than 0.01% ash when burned
- Limited wet strength, suitable for gravity or low-suction filtration; should be used with care to avoid rupturing



Cat. No.	Description	Quantity
<b>Grade Q2</b>		
09-790-4D	Diameter: 11cm	100/Pk.
09-790-4E	Diameter: 12.5cm	100/Pk.
<b>Grade Q5</b>		
09-790-2D	Diameter: 11cm	100/Pk.
09-790-2E	Diameter: 12.5cm	100/Pk.
09-790-2F	Diameter: 15cm	100/Pk.
<b>Grade Q8</b>		
09-790C	Diameter: 9cm	100/Pk.
09-790D	Diameter: 11cm	100/Pk.
09-790E	Diameter: 12.5cm	100/Pk.
09-790F	Diameter: 15cm	100/Pk.
09-790G	Diameter: 18.5cm	100/Pk.

### Syringe and Syringeless Filters

## Fisherbrand™ Syringe Filters

### Nylon Membrane

- Excellent chemical resistance and low protein binding
- Ideal for aqueous/organic/HPLC applications
- Hydrophilic



### PTFE Membrane

- Hydrophobic PTFE membrane has great temperature resistance
- Ideal for degassing/clarifying aqueous and solvent samples

Cat. No.	Description	Quantity
<b>Nylon</b>		
09-719-009	Nonsterile; Pore Size: 0.45µm; Diameter: 33mm; 1500/Pk.	1500/Pk.
<b>PTFE</b>		
09-720-7	Nonsterile; Pore Size: 0.22µm; Diameter: 13mm; 100/Pk.	100/Pk.
09-719G	Nonsterile; Pore size: 0.22µm; Diameter: 25mm; 50/Pk.	50/Pk.
09-720-8	Nonsterile; Pore size: 0.45µm; Diameter: 13mm; 100/Pk.	100/Pk.
09-719H	Nonsterile; Pore size: 0.45µm; Diameter: 25mm; 50/Pk.	50/Pk.
09-730-21	Nonsterile; Pore Size: 0.45µm; Diameter: 25mm; In Wall-Mount Dispenser; 150/Pk.	150/Pk.
<b>Nylon</b>		
09-720-6	Nonsterile; Pore Size: 0.45µm; Diameter: 13mm; 100/Pk.	100/Pk.

## Fisherbrand™ Syringe Filters - Nonsterile

### Durapore™ PVDF Membrane

- Hydrophilic membrane binds far less protein than nitrocellulose, nylon or PTFE
- Ideal for filtration of protein-containing aqueous, mild organic solutions and other pharmaceutical/biological/biotech solutions



### Mixed Cellulose Ester (MCE) Membrane

- Hydrophilic membrane has fair chemical and temperature resistance
- Use for clarifying aqueous solutions

### Nylon Membrane

- Excellent chemical resistance and low protein binding
- Ideal for aqueous/biological application
- Hydrophilic

### PTFE Membrane

- Hydrophobic PTFE membrane has great temperature resistance
- Ideal for degassing/clarifying aqueous and solvent samples

Cat. No.	Description	Quantity
<b>Nylon</b>		
09-719-005	Nonsterile; Pore size: 0.20µm; Dia.: 33mm; 50/Pk.	50/Pk.
<b>PVDF</b>		
09-719-001	Nonsterile; Pore size: 0.22µm; Dia.:33mm; 150/Pk.	150/Pk.
09-719-003	Nonsterile; Pore size: 0.45µm; Dia.: 33mm; 150/Pk.	150/Pk.

Syringe and Syringeless Filters - Nonsterile

### Fisherbrand™ Syringe Filters

**Nylon Membrane**

- Excellent chemical resistance and low protein binding
- Ideal for aqueous/organic/HPLC applications
- Hydrophilic



**PTFE Membrane**

- Hydrophobic PTFE membrane has great temperature resistance
- Ideal for degassing/clarifying aqueous and solvent samples

Cat. No.	Description	Quantity
<i>Nylon</i>		
09-719-009	Nonsterile; Pore Size: 0.45um; Diameter: 33mm; 1500/Pk.	1500/Pk.
<i>PTFE</i>		
09-720-7	Nonsterile; Pore Size: 0.22um; Diameter: 13mm; 100/Pk.	100/Pk.
09-719G	Nonsterile; Pore size: 0.22um; Diameter: 25mm; 50/Pk.	50/Pk.
09-720-8	Nonsterile; Pore size: 0.45um; Diameter: 13mm; 100/Pk.	100/Pk.
09-719H	Nonsterile; Pore size: 0.45um; Diameter: 25mm; 50/Pk.	50/Pk.
09-730-21	Nonsterile; Pore Size: 0.45um; Diameter: 25mm; In Wall-Mount Dispenser; 150/Pk.	150/Pk.
<i>Nylon</i>		
09-720-6	Nonsterile; Pore Size: 0.45um; Diameter: 13mm; 100/Pk.	100/Pk.

Filtration Products

### Fisherbrand™ Syringe Filters - Sterile

**Durapore™ PVDF Membrane**

- Hydrophilic membrane binds far less protein than nitrocellulose, nylon or PTFE
- Ideal for filtration of protein-containing aqueous, mild organic solutions and other pharmaceutical/biological/biotech solutions
- Sterilized by gamma radiation



**Mixed Cellulose Ester (MCE) Membrane**

- Hydrophilic membrane has fair chemical and temperature resistance
- EtOH sterilized
- Use for clarifying or sterilizing aqueous solutions

**Nylon Membrane**

- Excellent chemical resistance and low protein binding
- Ideal for aqueous/biological application
- Sterilized by gamma radiation
- Hydrophilic

Cat. No.	Description	Quantity
<i>MCE</i>		
09-719A	Sterile; Pore size: 0.22um; Dia.: 25mm	50/Pk.
09-719B	Sterile; Pore size: 0.45um; Dia.: 25mm	50/Pk.
<i>Nylon</i>		
09-719C	Sterile; Pore size: 0.2um; Dia.: 25mm	50/Pk.
09-719D	Sterile; Pore size: 0.4um; Dia.: 25mm	50/Pk.
<i>PVDF</i>		
09-720-3	Sterile; Pore size: 0.22um; Dia.: 13mm	100/Pk.
09-720-4	Sterile; Pore size: 0.45um; Dia.: 13mm	100/Pk.

First Aid Kits and Supplies

### Fisherbrand™ Unitized First Aid Kit

- Contents protected by a waterproof, plastic case that is designed with carrying handles for easy transport
- Case bears mounting brackets so it can be mounted where needed most
- Sealed packets hold individual sealed single-dose applications—easy to replace just the items you need



Cat. No.	Description	Quantity
10-021-10	For five people	8/Cs.

### Fisher Safety™ First Aid Kits

- Gasket provides weatherproofing
- Lid drops to 90° angle and can be used as a shelf
- Can be wall mounted
- Steel carrying handle for easy transport



Cat. No.	Description	Quantity
17-987-97B	Kit Size: 16 units	Ea.

Flasks

Filtering Flasks - Glass

### Fisherbrand™ Reusable Heavy-Wall Filter Flasks

- Side tubulation Capacity scale
- Designed to take 1 atmosphere of vacuum or 20" of mercury
- Sizes 125 through 500mL have side hose connection designed to accept 0.31" I.D. flexible tubing
- Sizes 1000mL and larger accept 0.38" I.D. tubing



Cat. No.	Description	Quantity
FB-300-250	250mL	6/Pk.
FB-300-500	500mL	6/Pk.
FB-300-1000	1000mL	6/Pk.
FB-300-2000	2000mL	Ea.
FB3004000	4000mL	Ea.



Glass Erlenmeyer Flasks

### Fisherbrand™ Reusable Glass Narrow-Mouth Erlenmeyer Flasks

- Reinforced top tooled with a rounded finish
- Thick-walled body
- Long, tapered outside countour minimizes chipping
- White ceramic enamel marking spot



Cat. No.	Description	Quantity
FB-500-25	25mL	12/Pk.
FB-500-50	50mL	12/Pk.
FB-500-125	125mL	12/Pk.
FB-500-250	250mL	12/Pk.
FB-500-500	500mL	6/Pk.
FB-500-1000	1000mL	6/Pk.
FB-500-2000	2000mL	4/Pk.
FB-500-4000	4000mL	Ea.
FB-500-6000	6000mL	Ea.

### Fisherbrand™ Reusable Glass Wide-Mouth Erlenmeyer Flasks

- Sturdy borosilicate glass construction Heavy-duty, tooled-top finish Capacity scale measures approximate volume
- Matte-finish ceramic marking spot takes writing and erases easily



Cat. No.	Description	Quantity
FB-501-125	125mL; Graduated 50 to 125mL; Stopper number 6	12/Pk.
FB-501-250	250mL; Graduated 50 to 225mL; Stopper number 8	12/Pk.
FB-501-500	500mL; Graduated 100 to 500mL; Stopper number 10	6/Pk.
FB-501-1000	1000mL; Graduated 250 to 1000mL; Stopper number 11	6/Pk.
FB-501-2000	2000mL; Graduated 600 to 2000mL; Stopper number 13	4/Pk.

Volumetric Flasks - Glass

### Fisherbrand™ Reusable Glass Class A Volumetric Flasks with Snap Caps

- Calibrated "To Contain"



Cat. No.	Description	Quantity
10-200A	Std. taper No. 16; 25mL	Ea.
10-200B	Std. taper No. 16; 50mL	Ea.
10-200C	Std. taper No. 16; 100mL	Ea.
10-200D	Std. taper No. 16; 200mL	Ea.
10-200E	Std. taper No. 16; 250mL	Ea.
10-200F	Std. taper No. 16; 500mL	Ea.
10-200G	Std. taper No. 16; 1000mL	Ea.

### Fisherbrand™ Reusable Glass Class A Volumetric Flasks with Stopper

- Calibrated "To Contain"



Cat. No.	Description	Quantity
FB-400-10	Stopper No. 9; 10mL	12/Cs.
10-205A	Stopper No. 9; 25mL	Ea.
10-205B	Stopper No. 9; 50mL	Ea.
10-205C	Stopper No. 13; 100mL	Ea.
FB-400-200	Stopper No. 16; 200mL	6/Pk.
10-205D	Stopper No. 16; 250mL	Ea.
10-205E	Stopper No. 9; 500mL	Ea.
10-205F	Stopper No. 22; 1000mL	Ea.
FB-400-2000	Stopper No. 27; 2000mL	Ea.

Volumetric Flasks - Plastic

## Fisherbrand™ PFA Flasks with Screw Caps

- Made from PFA copolymer
- Translucent
- Deliver outstanding chemical and solvent resistance over a temperature range of -260° to +270°C
- Extremely low absorption and permeability levels associated with PFA
- Graduation lines are highly legible, accurate, and permanent
- Autoclavable at 250°F/121°C for 20 minutes
- Can be sterilized using ethylene oxide gas, dry heat (160°C), beta or gamma irradiation (25kGy), or chemical disinfectant



Cat. No.	Description	Quantity
02-617-152	25mL	Ea.
02-617-153	50mL	Ea.
02-617-154	100mL	Ea.
02-617-155	250mL	Ea.
02-617-156	500mL	Ea.

Forceps and Tweezers

## Fisherbrand™ Filter Forceps

- Made of Type 304 stainless steel
- Broad unserrated tips to prevent damage to filters
- Serrated grip area on blades lets you hold forceps securely and correctly, without slippage
- Sterilize by autoclave or by dipping tips in alcohol and "flaming"
- Does not corrode in acids or acidic atmospheres



Cat. No.	Description	Quantity
09-753-50	Length: 4.50 in.	Ea.

## Fisherbrand™ General-Purpose Curved Forceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Passivated
- Autoclavable
- Latex-free
- Stainless steel per ASTM™ standard
- Inside points are file cut for secure holding



Cat. No.	Description	Quantity
10-275	Length: 5.87 in.; Curved	Ea.

## Fisherbrand™ General-Purpose Extra-Long Forceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Passivated
- Autoclavable up to 135°C
- Latex-free
- Rounded tips have guide pins
- Grip specimens firmly
- Highly polished, grooved handles
- Stainless steel



Cat. No.	Description	Quantity
10-316A	Length: 7.87 in. (20cm)	Ea.
10-316B	Length: 9.87 in. (25.1cm)	Ea.
10316C	Length: 11.81 in. (30cm)	Ea.

## Fisherbrand™ General-Purpose Offset-Tipped Forceps

- Can be sterilized by EtO/gamma radiation
- Rockwell hardness (HRC): 40–45
- Latex-free
- Broad, thin tips, bent at handy angle
- Easy to reach into containers without obscuring the object being gripped
- Stainless-steel construction per ASTM™ specification
- Grooved handles



Cat. No.	Description	Quantity
10295	Length: 4.37 in. (11.1cm)	Ea.

Funnels

Filling Funnels - Glass

## Fisherbrand™ Reusable Glass Long-Stem Funnels

- Constructed with heavy uniform walls, molded rims and fire-polished stems
- Formed to a 58° angle for rapid filtration
- Cone is suspended by its uppermost edge, leaving most of the conical area for filtration
- High resistance to chemical attack, mechanical and thermal shock

Cat. No.	Description	Quantity
FB-600-5865	60mL	12/Pk.
FB-600-58100	185mL	6/Pk.

## Fisherbrand™ Reusable Glass Short-Stem Funnels

- Constructed with heavy uniform walls, molded rims, and fire-polished stems
- Formed to a 58° angle for faster, more effective filtering
- Cone is suspended by its uppermost edge, leaving most of the conical area for filtration



Cat. No.	Description	Quantity
FB-601-5845	19mL	6/Pk.
FB-601-5865	60mL	12/Pk.
FB-601-5875	90mL	12/Pk.
FB-601-58100	225mL	6/Pk.

### Filling Funnels - Plastic

## Fisherbrand™ Powder Funnel

- Durable polypropylene
- External ribbing prevents air locks
- Autoclavable



Cat. No.	Description	Quantity
10-500	Top dia. × H: 65 × 66mm; Capacity: 50mL	12/Pk.
10-500-1	Top dia. × H: 75 × 84mm; Capacity: 100mL	12/Pk.
10-500-2	Top dia. × H: 105 × 103mm; Capacity: 225mL	6/Pk.
10-500-3	Top dia. × H: 150 × 137mm; Capacity: 750mL	4/Pk.

### Separatory Funnel - Glass Squibb Pear Shaped

## Fisherbrand™ Squibb Funnel with Stopcocks and Stoppers

- Made entirely of borosilicate glass
- Stem length, 75mm



Cat. No.	Description	Quantity
10-436A	125mL	Ea.
10-436D	1000mL	Ea.

### Weighing Funnels - Glass

## Fisherbrand™ Weighing Funnel

- Borosilicate glass funnels with tapered pouring necks aid microtransfer of solids and liquids
- No rocking or moving while weighing—flat bottom keeps funnel steady while on balance
- Use in temperatures to 454°C (849°F)



Cat. No.	Description	Quantity
14-353F	Dia.x L: 10 × 35, 15 × 40, 20 × 45, 25 × 55 and 32 × 68mm	5/Pk.
14-353B	Dia.x L: 15 × 40mm	5/Pk.
14-353D	Dia.x L: 25 × 55mm	5/Pk.

### Gloves

#### Glove Liners

## Fisherbrand™ Cotton Inspection Gloves

- Lightweight, 100% cotton lisle gloves
- With two-piece construction
- Ambidextrous gloves



Cat. No.	Description	Quantity
<b>Men's</b>		
19-013-540	Large; 8.5 in. (22cm) long	12/Dz.
<b>Women's</b>		
19-013-538	Medium; 8 in. (20cm) long	12/Dz.
<b>Jumbo Size</b>		
19-075-340	14 in. (36cm) Long	12/Dz.

Thin Wall Gloves - Latex

## Fisherbrand™ Powdered and Powder-Free Latex Exam Gloves

- Made of surgical-quality natural rubber latex
- Puncture- and tear-resistant with textured fingers
- Beaded cuff promotes easy donning
- Powdered gloves have a smooth finish and are lightly dusted with USP absorbable dusting powder
- Powder-free gloves are fully textured for excellent gripping power
- Ambidextrous, nonsterile, single-use
- Length: 9.5" (24cm)
- Thickness: 5mil
- Color: white



Cat. No.	Description	Quantity
<b>Powdered</b>		
11-394-4A	Small	100/Pk.
11-394-4AA	X-Small	100/Pk.
11-394-4B	Medium	100/Pk.
11-394-4C	Large	100/Pk.
11-394-4D	X-Large	100/Pk.
<b>Powder-free</b>		
11-394-5A	Small	100/Pk.
11-394-5B	Medium	100/Pk.
11-394-5C	Large	100/Pk.
11-394-5D	X-Large	100/Pk.

## Fisherbrand™ Powder-Free Latex Gloves with Aloe

- Fully textured
- Ambidextrous
- Nonsterile
- Length: 9.5" (24cm)
- Thickness: 5-6mil
- Color: Natural



Cat. No.	Description	Quantity
19-050-548A	Small	100/Pk.
19-050-548B	Medium	100/Pk.
19-050-548C	Large	100/Pk.
19-050-548D	X-Large	100/Pk.

Thin Wall Gloves - Nitrile

## Fisherbrand™ Comfort Nitrile Exam Gloves

- Powder-free
- Exceptional fit, feel and durability
- Feature textured fingers
- Latex-free
- Ambidextrous and nonsterile with beaded cuff
- Length: 9.5" (24cm)
- Thickness: 3.0mil (palm)
- Color: Periwinkle Blue



Cat. No.	Description	Quantity
19-041-171B	Small	200/Pk.
19-041-171C	Medium	200/Pk.

## Fisherbrand™ Nitrile Gloves with Aloe

- Coated with a skin-protecting aloe vera gel
- Unique synthetic formulation offers superior puncture and chemical resistance
- Mint green color
- Odor-free, powder-free, nonsterile and ambidextrous
- Length: 9.5" (240mm)
- Thickness: 5 to 6mil



Cat. No.	Description	Quantity
S66382	Small	100/Pk.
S66383	Medium	100/Pk.
S66384	Large	100/Pk.
S66385	X-Large	100/Pk.

## Fisherbrand™ Powder-Free Nitrile Exam Gloves

Nitrile provides superior fit, comfort, tactile sensitivity and dexterity, and contains no latex proteins that can cause allergic reactions. The glove has a textured surface for solid grip in wet or dry conditions.



Cat. No.	Description	Quantity
19-130-1597A	X-Small	100/Pk.
19-130-1597B	Small	100/Pk.
19-130-1597C	Medium	100/Pk.
19-130-1597D	Large	100/Pk.
19-130-1597E	X-Large	100/Pk.
19-130-1597F	XX-Large	100/Pk.

## Fisherbrand™ Powder-Free Nitrile Exam Gloves with Aloe

- Unique, 100% latex-free, odor-free synthetic formulation reduces hand fatigue
- Textured surface for superior grip
- Nonsterile, ambidextrous
- Length: 9.5" (24.1cm)
- Thickness: 5.6mil
- Color: Green



Cat. No.	Description	Quantity
19-050-550A	Small	100/Pk.
19-050-550B	Medium	100/Pk.
19-050-550C	Large	100/Pk.
19-050-550D	X-large	100/Pk.

### Thin Wall Gloves - Vinyl

## Fisherbrand™ Powder Free Vinyl Examination Gloves

- 100% latex-free vinyl gloves with smooth finish
- Ambidextrous and non sterile in nature
- Powder free examination gloves for medical use
- Beaded cuff and clear color
- Length: 9.5" (24cm)
- Thickness: 5mil
- Tensile Strength: 18mpa
- Elasticity/Elongation: 600%, AQL: 2.0



Cat. No.	Description	Quantity
19-041-190A	X-Small	100/Pk.
19-041-190B	Small	100/Pk.
19-041-190C	Medium	100/Pk.
19-041-190D	Large	100/Pk.
19-041-190E	X-Large	100/Pk.

### Work Industrial Gloves - Leather

## Fisherbrand™ Select Leather Palm Gloves

- Gloves come with 2" (5cm) rubberized safety cuff or 4" (10cm) rubberized gauntlet cuff
- Leather covers palm, index finger, and thumb
- Gunn-cut construction provides longer life



Cat. No.	Description	Quantity
<b>Double leather palm</b>		
19-013-475	2 in. (5cm) Safety cuff; Large; 120/Cs.	12/Dz.
19-013-483	4 in. (10cm) Gauntlet cuff; Large; 120/Cs.	12/Dz.
<b>Standard leather palm</b>		
19-013-469	2 in. (5cm) rubberized safety cuff; Large; 120/Cs.	12/Dz.
19-013-471	4 in. (10cm) Gauntlet cuff; Large; 120/Cs.	12/Dz.

### Work Industrial Gloves - Leather Driver's

## Fisherbrand™ Leather Driver's Gloves

- Ideal for construction, machine operation, utility work, farming, roping, and other general applications
- Top-grain leather is available with straight thumb or keystone thumb to provide additional wear and greater comfort
- Launderable



Cat. No.	Description	Quantity
<b>Intermediate grade</b>		
19-013-349	Straight thumb; Elastic back; Small; 1 dozen	12/Dz.
19-013-352	Straight thumb; Elastic back; Medium; 1 dozen	12/Dz.
19-013-357	Straight thumb; Elastic back; Large; 1 dozen	12/Dz.
19-013-359	Straight thumb; Elastic back; X-Large; 1 dozen	12/Dz.
<b>Regular Grade Top Grain Palm</b>		
19-071-371	Keystone Thumb; Split Elastic Back; Small	12/Dz.
19-071-373	Keystone Thumb; Split Elastic Back; Medium	12/Dz.
19-071-375	Keystone Thumb; Split Elastic Back; Large	12/Dz.
19-071-377	Keystone Thumb; Split Elastic Back; X-Large	12/Dz.

### Knives and Knife Blades

#### Blades

## Fisherbrand™ Razor Blades

- Cutting edge on each blade protected by paper shell
- For industrial, general and scientific purposes

Cat. No.	Description	Quantity
12-640	Single-edged; 100/Pk.	100/Pk.

## Fisherbrand™ Stainless-Steel Blades for Dissecting Knife Handles

- Surgical quality
- Sterile
- Individually foil-wrapped



Cat. No.	Description	Quantity
<b>Blade size: 10</b>		
08-916-5A	Length: 1.562 in. (4cm)	100/Pk.
<b>Blade size: 11</b>		
08-916-5B	Length: 1.562 in. (4cm)	100/Pk.
<b>Blade size: 20</b>		
08-918-5A	Length: 1.562 in. (4cm)	100/Pk.
<b>Blade size: 21</b>		
08-918-5B	Length: 1.562 in. (4cm)	100/Pk.
<b>Blade size: 22</b>		
08-918-5C	Length: 1.375 in. (3.5cm)	100/Pk.



Handles

### Fisherbrand™ Disposable-Blade Dissecting Knife Handles

- Blades slide on smoothly and securely
- Passivated
- Fully autoclavable and sterilizable
- Snag-free
- Use blade sizes 10, 11, 12, 15 with handle sizes 3 and 7
- Use blade sizes 20, 21, 22, 23 with handle size 4



Cat. No.	Description	Quantity
08-913-5	Length: 4.87 in.; Size: 3	Ea.
08-917-5	Length: 5.28 in.	Ea.

Knives

### Fisherbrand™ General-Purpose Lab Knife Set

**Blades**

- Made of the highest-grade steel
- Ultramicro to heavy-duty cutting edges

**Handles**

- Eight different styles
- Positive holding blade locks and nonslip grips
- Balanced for precision cutting



Cat. No.	Description	Quantity
08-850-5	Knife Set	Ea.

Knives and Knife Blades

### Fisherbrand™ Single-Use Scalpels

- Stainless-steel blade attached to plastic handle
- Sterile, individually packaged
- Plastic guard protects cutting edge and prevents package puncture

Cat. No.	Description	Quantity
089275A	Includes Blade No.: 10	20/Pk.
089275B	Includes Blade No.: 11	20/Pk.
08-927-5D	Includes Blade No.: 21	20/Pk.

Lancing Devices - Fingertick

### Fisherbrand™ Safety Lancets

- Sterile lancet needle is hidden inside the cartridge and automatically retracts after use
- Helps protect patient and health professional against accidental needlestick injuries and cross-contamination
- Proprietary spring technology inhibits access to lancet after use — lancet cannot be reloaded or reused



Cat. No.	Description	Quantity
<b>Low Flow</b>		
23-306-762	Blue	100/Pk.

### Fisherbrand™ Unistik™ 2 Disposable Fingertick Lancet Devices

- Deliver optimum blood flow quickly without sacrificing patient comfort
- Disposable capillary sampling devices designed for one-time use
- Simple to use: push the lancet into the body of Unistik 2 until it clicks, twist off the lancet cap and then sample
- Unistik 2 lancets available in three puncture depths: Normal for normal skin types and standard sample sizes for tests such as blood glucose, extra for tougher skin or larger sample volume and neonatal for heelstick tests
- Used in ICUs and laboratory settings
- Spring-loaded lancet provides a quick, smooth incision and retracts automatically into device after use



Cat. No.	Description	Quantity
<b>Extra penetration</b>		
22-029-28	21G needle	200/Pk.
<b>Normal penetration</b>		
22-029-27	21G needle	200/Pk.

Lubricants and Adhesives

### Fisherbrand™ 19 Mechanical Pump Oil for Belt-Drive and Direct-Drive Pumps

- Permits cooler pump operation, lower maintenance, longer fluid life, reduced power consumption
- Reduces backstreaming
- Protects O-rings
- Ultimate pressure at 25°C (77°F), 8.5 × 10<sup>-5</sup> torr
- Pour point, -15°C (+5°F)
- Flash point, 212°C (415°F)



Cat. No.	Description	Quantity
<b>Plastic bottle</b>		
01-184-150A	1L	Ea.
01184150B	1 gal. (4L)	Ea.
<b>Plastic can</b>		
01-184-150C	5 gal.	Ea.

### Fisher Scientific™ Maxima™ C Plus Pump Oil



Cat. No.	Description	Quantity
01-257-4A	Size: 0.2 gal. (1L)	Ea.
01-257-4B	Size: 1 gal.	Ea.
01-257-4D	Size: 5 gal.(19L)	Ea.

**Mailers and Shippers**

## Fisherbrand™ 95kPa Biohazard Mailers

- For shipments of biological samples by mail and common carriers
- Accommodates a variety of blood tubes and other routine laboratory containers



Cat. No.	Description	Quantity
22-130-542	Single Tube 95kPa Biohazard Mailer	24/Cs.
22-130-541	Multiple Tube 95kPa Biohazard Mailer	50/Cs.
22-130-540	Multiple Container 95kPa Biohazard Mailer	24/Cs.

## Fisherbrand™ Top-Opening Five-Slide Plastic Microscope Slider Mailers and Transporters

- Hold up to five 3 × 1" (75 × 25mm) slides
- Ribbed partitions keep slides apart
- Slides are not included

Cat. No.	Description	Quantity
12-587-17B	Five-slide holder; Top opening; Holds 3 × 1 in. (75 × 25mm) slides	200/Cs.

**Microplate Lids**

## Fisherbrand™ Lid for 96/384 Well Polystyrene Plates

- Clear
- Non-sterile



Cat. No.	Description	Quantity
<i>Lid</i>		
12-565-511	Nonsterile; Clear	180/Cs.

**Microplates**

**Assay Microplates - 96-Well**

## Fisherbrand™ 96-Well Plates

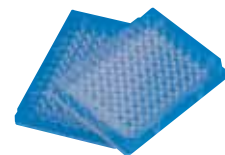
- Clear polystyrene
- Results with CV of <5% between wells and replicate values within ±10% of the mean  
Background of wells is within 0.005 absorbance units from mean  
Small lip at each well top and ridges between wells prevent well-to-well contamination  
Flat well bottom surface provides greater area for binding
- Rows and columns are labeled alphanumerically; plates stack for easy storage
- Specially treated to ensure high binding of hydrophobic or partially hydrophobic molecules like viral antigens and proteins



Cat. No.	Description	Quantity
<i>Nonsterile</i>		
21-377-203	Certified	50/Cs.
21-377-204	Not certified	50/Cs.
<i>Sterile</i>		
21-377-205	Not certified	40/Cs.

## Fisherbrand™ 96-Well Polystyrene Plates

- Polystyrene
- Plates stack easily with or without lids
- Available in flat or round well shapes
- Nonsterile
- Untreated, provides uniform surface properties
- Use 12-565-511 lid (sold separately)



Cat. No.	Description	Quantity
<i>Flat bottom</i>		
12-566-620	Black; Without lid	180/Cs.
12-565-501	Clear; Without lid	80/Cs.
12-566-619	White; Without lid	180/Cs.
<i>Round bottom</i>		
12-565-500	Clear; Without lid	80/Cs.
12-566-622	Clear; Without lid	180/Cs.

Assay Microplates - 384-Well

## Fisherbrand™ 384-Well Polystyrene Plates

- Highly specified polystyrene
- Ideal for low-volume assays such as colorimetric, enzymatic, cloning, replication, and array, as well as storage
- Flat well bottom surface provides greater area for binding
- Working volume: 10–100µL
- 384-well microplates conserve samples and reagents, providing cost savings and greater screening productivity
- Untreated
- Non-sterile



Cat. No.	Description	Quantity
<b>With lid</b>		
12-565-506	Clear	90/Cs.
<b>Without lid</b>		
12-566-624	Black	180/Cs.
12-566-625	Clear	180/Cs.
12-566-623	White	180/Cs.

Assay Microplates - 1536-Well

## Fisherbrand™ 1536-Well Polystyrene Plates

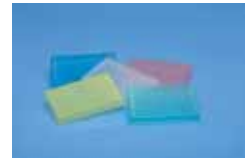
- Highly specified polystyrene
- Available in black, white and clear
- Low plate height optimized for stacking efficiency
- Working volume range: 1–10µL/well
- Untreated
- Non-sterile

Cat. No.	Description	Quantity
12-566-627	Black	180/Cs.
12-566-626	Clear	100/Cs.
12-566-628	White	180/Cs.

Genomic Microplates - 96-Well

## Fisherbrand™ 96-Well Low-Profile, Skirted PCR Plates

- Virgin polypropylene
- Clear well bottom for sample visibility
- Stackable
- Raised-rim design
- Sealable using adhesive films and foils, heat seals, and cap strips
- 200µL maximum well volume when used with adhesive and heat seals
- Cut-away corner and alphanumeric grid
- SBS (Society for Biomolecular Screening) footprint



Cat. No.	Description	Quantity
14-230-239	Blue	25/Cs.
14-230-240	Green	25/Cs.
14-230-237	Natural	25/Cs.
14-230-238	Red	25/Cs.
14-230-241	Yellow	25/Cs.

## Fisherbrand™ 96-Well Nonskirted PCR Plates

- Virgin polypropylene
- Clear well bottom for sample visibility
- Highly rigid plate deck
- Raised rim design
- Sealable using adhesive films and foils, heat seals, and cap strips
- 300µL maximum volume when used with adhesive and heat seals
- Cut-away corner and alphanumeric grid
- Cleanroom produced



Cat. No.	Description	Quantity
14-230-232	Natural	25/Cs.

## Fisherbrand™ 96-Well Semi-Skirted PCR Plates

- Virgin polypropylene
- Clear well bottom for sample visibility
- Raised-rim design
- Sealable with adhesive films and foils, heat seals, and cap strips
- 300µL maximum volume when used with adhesive and heat seals
- Cut-away corner and alphanumeric grid
- Cleanroom produced



Cat. No.	Description	Quantity
14-230-246	Blue	25/Cs.
14-230-247	Green	25/Cs.
14230244	Natural	25/Cs.
14-230-245	Red	25/Cs.
14-230-248	Yellow	25/Cs.

## Fisherbrand™ 96-Well Tall-Chimney PCR Plate

- Virgin polypropylene
- Clear well bottom for sample visibility
- Highly rigid plate deck
- Sealable using adhesive films and foils, heat seals, and cap strips
- 340µL maximum well volume when used with adhesive and heat seals
- Cut-away corner and alphanumeric grid
- Cleanroom produced



Cat. No.	Description	Quantity
14-230-242	Color: Natural	50/Cs.

### Microplates

## Fisherbrand™ 96-Well DeepWell™ Polypropylene Microplates

- Accommodate even larger working volumes; up to 1.0 mL or 2.0 mL storage volume per well
- Proteins and DNA will not adhere to PP, allowing for complete sample recovery.
- Natural color
- Nonsterile and sterile available

Cat. No.	Description	Quantity
<b>Sterile</b>		
12-566-611	Well-capacity: 1mL; 50/Case	50/Cs.
12-566-612	Well-capacity: 2mL; 60/Case	60/Cs.
<b>Non-Sterile</b>		
12-566-120	Well-capacity: 1mL; 50/Case	50/Cs.
<b>Non-Sterile</b>		
12-566-613	Well-capacity: 2mL; 50/Case	50/Cs.

## Fisherbrand™ 96-Well Polypropylene Microplates

- Polypropylene
- Minimum binding
- Resistant to many reagents
- Withstand temperatures from -80° to +121°C (-112° to +250°F)
- Automation-friendly design optimized for HTS



Cat. No.	Description	Quantity
<b>Non-sterile</b>		
12-565-505	Round bottom; Blue	80/Cs.
12-565-502	Round bottom; Natural	80/Cs.
12-565-503	Round bottom; Red	80/Cs.
12-565-504	Round bottom; Yellow	80/Cs.
<b>Sterile</b>		
12-566-610	Round bottom; Natural	120/Cs.

## Fisherbrand™ 384-Well DeepWell Polypropylene Microplates

- Excellent for storing DMSO and other strong chemicals and solvents
- Well shape maximizes sample retrieval
- Compatible with robotics and automation
- Rounded square wells minimize wicking (capillary action)
- Barcoding available by arrangement
- Sealable with chemical-resistant well cap mats
- Working volume range: 5 to 240µL/well

Cat. No.	Description	Quantity
12-566-614	DeepWell; 252mL; Non-sterile; Natural	60/Cs.

## Fisherbrand™ 384-Well Polypropylene Plates

- Ideal for storage of compounds and nucleic acid libraries
- Chemical-resistant
- Withstand temperatures from -80° to +80°C (-112° to +176°F)
- Conform to ANSI™-standard footprint for optimal use in automated handling and liquid-dispensing systems



Cat. No.	Description	Quantity
<b>Natural</b>		
12-565-507	Well vol.: 120uL	120/Cs.
<b>Red</b>		
12-565-508	Well vol.: 120uL	120/Cs.

## Fisherbrand 384-Well ShallowWell Polypropylene Microplates

- Automation compatible, ANSI standard
- Low-binding and chemically resistant surface
- Natural plates for storage or colorimetric assays
- White plates for luminescent assays, including SPA
- Black plates for fluorescent assays
- Round bottom wells for optimal sample recovery
- Rounded square wells minimize wicking (capillary action)
- Working volume range: 2 to 35µL/well

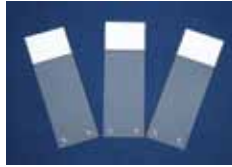
Cat. No.	Description	Quantity
<b>Sterile</b>		
12-566-616	120uL well volume; Natural	100/Cs.
<b>Non-sterile</b>		
12-566-617	120uL well volume; Black	100/Cs.
12-566-615	120uL well volume; Natural	100/Cs.
12-566-618	120uL well volume; White	100/Cs.

Microscope Slides

Microscope Slides - Glass - Adhesion

### Fisherbrand™ Superfrost™ Excell™ Microscope Slides

- Developed specifically for immunohistochemistry laboratory applications
- Adhesion surface for heat-induced epitope retrieval
- For use in HIER methods requiring high pH antigen retrieval solutions, including EDTA
- Uniform hydrophilic surface works well with automated staining equipment
- Constructed of glass to work well with both epon and methyl methacrylate sections
- Hydrophilic surface allows sections to spread well during initial attachment; section adherence is maintained throughout difficult staining procedures
- Excellent tissue adherence of all tissue types, yet easily release identified areas for Laser Capture Microdissection
- Enhanced attachment of anchorage dependent cell lines, including many fastidious lines, e.g., primary neuronal cells



Cat. No.	Description	Quantity
22-034-985	Regular corners	144/Pk.

### Fisherbrand™ Superfrost™ Plus and ColorFrost™ Plus Microscope Slides

- Special treatment virtually eliminates tissue loss during staining; saves hours of slide preparation
- Chemical-resistant white marking surface on Superfrost Plus slides and colored marking surface on ColorFrost Plus slides for easy identification throughout procedures



Cat. No.	Description	Quantity
<b>ColorFrost Plus</b>		
12-550-17	Blue	144/Gr.
12-550-18	Green	144/Gr.
12-550-19	Pink	144/Gr.
12-550-20	Yellow	144/Gr.
<b>Superfrost Plus</b>		
12-550-16	Lilac	144/Pk.
12-550-16A	Tan; Size	144/Pk.
12-550-15	White	144/Pk.

### Fisherbrand™ Superfrost™ Plus Stain Slides

- Eliminate background staining in standard H and E stains

Cat. No.	Description	Quantity
<b>Superfrost Plus</b>		
22-034-979	White	144/Pk.

### Fisher Scientific™ Tissue Path Superfrost™ Plus Gold Slides

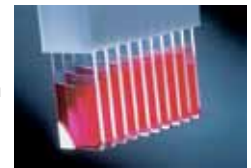
- Made with a revolutionary, new adhesive technology
- Attract and chemically bond fresh or formalin-fixed frozen tissue sections firmly to the slide surface
- Ideal for special stains, immunocytochemical and in situ DNA hybridization techniques when applied to fixed or frozen tissue sections
- Compatible with both toluidine blue and hematoxylin and eosin rapid frozen section stains



Cat. No.	Description	Quantity
22-035-813	Pack of 25 in slide box	25/Pk.
15-188-48	Bulk pack of 144	144/Pk.

### FisherBiotech™ ProbeOn™ and ProbeOn Plus™ Slides

- Easily accommodate 5µm thick control and sample sections
- Slides measure 1 × 3" (25 × 75mm) and are 1mm thick
- ProbeOn Plus slides are enhanced for superior tissue adherence—eliminating the need for water bath additives or polylysine pretreatment



Cat. No.	Description	Quantity
22-230-900	Gray tab	144/Pk.
15-188-51	ProbeOn Slides	144/Pk.

Microscope Slides - Glass - Coated

### Fisherbrand™ Polysine-Coated Adhesion Slide



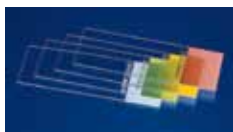
Cat. No.	Description	Quantity
12-545-78	25 × 75mm	144/Pk.



Microscope Slides - Glass - Uncoated

## Fisherbrand™ ColorFrost™ Disposable Microscope Slides

- Plain corners
- Same properties as Superfrost™, including chemical resistance and easy marking and reading
- Convenient "SPECIMEN" mark lends easy orientation



Cat. No.	Description	Quantity
<b>25 × 75mm</b>		
22-037-077	Color: Aqua	144/Pk.
12-550-403	Frost Color: Blue	144/Pk.
22-037-079	Color: Burnt orange	144/Pk.
22-037-080	Color: Gold	144/Pk.
12-550-413	Frost Color: Green	144/Pk.
22-037-081	Color: Lilac	144/Pk.
12-550-423	Frost Color: Pink	144/Pk.
22-037-078	Color: Tan	144/Pk.
12-550-433	Color: Yellow	144/Pk.
<b>76 × 25mm</b>		
22-214-320	Frost Color: Blue	144/Pk.
22-214-338	Color: Green	144/Pk.
22-214-346	Frost Color: Pink	144/Pk.
22-214-361	Frost Color: Yellow	144/Pk.

## Fisherbrand™ Colormark™ Slide Cartridges for SHUR/Mark™ Labeling Systems

- Brightly coated with contrasting background color
- Self-contained packages ready for loading into your SHUR/Mark slide labeling system
- Simply remove the cover from the slide package and drop the sleeve into the loading bin of the SHUR/Mark labeling system
- Available with Plus formula to provide the utmost adhesion



Cat. No.	Description	Quantity
22-035-815	Blue	144/Pk.
22-035-816	Green	144/Pk.
22-035-814	White	144/Pk.
22-035-818	Yellow	144/Pk.

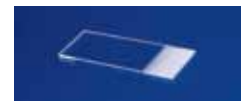
## Fisherbrand™ Economy Plain Glass Microscope Slides

- Plain white glass slide
- Precision ground edges on all four sides
- Corrosion resistant
- 1.0mm thick

Cat. No.	Description	Quantity
12-550-A3	75 × 25mm	144/Pk.

## Fisherbrand™ Frosted Microscope Slides

- Sandblasted frosted writing area at one end
- Markings will not rub off or wash off in normal procedures



Cat. No.	Description	Quantity
<b>Frosted at one end</b>		
12-550-343	3 × 1 in. (76 × 25.4mm); 10/Pk.	144/Pk.
<b>Frosted on 2 sides</b>		
12-552-5	0.9 × 2.9 in. (25 × 75mm); 10/Pk.	144/Gr.

## Fisherbrand™ Plain Glass Microslides

- Clear, corrosion-resistant glass with flat surfaces and ground edges
- Precleaned and ready to use in one-at-a-time dispenser boxes of 72 slides



Cat. No.	Description	Quantity
12-550D	Size: 25 × 75mm	144/Gr.
12-550B	Size: 75 × 38mm	144/Gr.
12-550C	Size: 75 × 50mm	144/Gr.

## Fisherbrand™ Superfrost™ Disposable Microscope Slides

- Brilliant white, opaque coating takes and retains most laboratory marking methods
- Each side has a written key for easy orientation; the word "SPECIMEN" instantly tells you which side is up
- Slides can be imprinted with your laboratory or hospital's name (call your Fisher Scientific Sales Representative for details)



Cat. No.	Description	Quantity
12-550-143	25 × 75mm × 1mm	144/Pk.
12-550-123	3 × 1 in. × 1mm	144/Pk.
12-550-133	3 × 1 in. × 1.2mm	144/Pk.
22-178-277	3 × 1 in.	144/Pk.

## Fisherfinest™ Premium Clipped-Corner Microscope Slides

- Due to surface and edge quality, preferred for manual blood smears and other hematology applications
- Same high quality as other Fisherfinest slides, except all four corners are clipped
- Slides are more comfortable to handle and safer to use than conventional slides
- Choose from Superfrost™ tab, frosted tab, or plain (no tab) slides
- Size: 75 × 25mm, 1mm thick



Cat. No.	Description	Quantity
22-038-105	Color-coded frosted tab	144/Pk.
22-038-104	No tab	144/Pk.
22-038-103	w/Superfrost tab	144/Pk.

## Fisherfinest™ Premium Extra-Thick Frosted Microscope Slides

- Highest purity, corrosion-resistant water-white glass is flat, ripple-free
- See specimens in true color, without distortion
- Packed in cellophane; slides stay clean until needed
- Handy dispenser box of 72 slides is dated to aid inventory control; holds slides upright for one-at-a-time dispensing



Cat. No.	Description	Quantity
12-544-6	Double frosted coating; Size: 3 × 1 in.	144/Gr.

## Fisherfinest™ Premium Frosted Microscope Slides

- Excellent retention of markings in all normal procedures
- **Note:** Sold as one gross (2 boxes of 72 slides each). A case contains 10 gross.



Cat. No.	Description	Quantity
12-544-2	Size: 75 × 25mm	144/Gr.
12-544-3	Size: 3 × 1 in.	144/Gr.

## Fisherfinest™ Premium Full-Frosted Cytology Microscope Slides

- Frosting disappears when cover slip is mounted over specimen—doesn't interfere with viewing
- 0.097 to 1.07mm thick



Cat. No.	Description	Quantity
12-544-5CY	Sandblasted frosting; Size: 3 × 1 in.	144/Gr.

## Fisherfinest™ Premium Plain Glass Microscope Slides

- Water-white glass
- Precleaned, ready to use



Cat. No.	Description	Quantity
125444	Size: 75 × 25mm	144/Gr.
12-544-1	Size: 3 × 1 in.	144/Gr.

## Fisherfinest™ Premium Superfrost™ Microscope Slides

- Marking area and "SPECIMEN" are frosted on one side
- 1mm thick



Cat. No.	Description	Quantity
12-544-7	Size: 75 × 25mm; Frosted on one side; 1mm thick	144/Gr.

### Specialty Microscope Slides

## Fisherbrand™ Hanging Drop Slides

### Medium thick slides

- For examining living microorganisms such as bacteria and yeast in hanging drops
- 1.4 to 1.6mm thick
- Concavities ground and polished; 18mm diameter; 0.5mm deep



### Extra thick slides

- For larger specimens
- With very thick glass (3.12 to 3.22mm) and concavities

Cat. No.	Description	Quantity
12-560A	With one concavity; Size: 76 × 26mm	12/Pk.

### Pens Pencils Pointers Markers

## Fisherbrand™ Fine Tip Marking Pens

- Fine tip is excellent for general marking
- Highly resistant to abrasion and water
- Will not smear when subjected to water or alcohol during normal use



Cat. No.	Description	Quantity
13-379-4	Ink color: black	10/Pk.
13-379-6	Ink color: blue	10/Pk.
13-379-7	Ink color: Green	10/Pk.
13-379-5	Ink color: red	10/Pk.

## Fisherbrand™ Permanent Markers

- Produce precise, ultrathin lines 0.3mm wide
- Waterproof and fadeproof, permanent ink dries almost instantly
- An airtight ring seal cap prevents dry-out and ensures instant writing even after lengthy storage
- Unique stainless-steel long leg allows precise writing in a confined space



Cat. No.	Description	Quantity
13-383	Assorted	12/Pk.
13383C	Black	6/Pk.

Petri Dishes

## Fisherbrand™ Petri Dishes with Clear Lids

- Radiation sterilized; sterile if sleeve is unopened
- Top and bottom edges are squared off (not rounded) to provide a firm, sure grip
- Bottom is flat so medium spreads evenly over the entire dish bottom
- Three ventilation ribs allow free air circulation and reduce condensation during incubation
- Lid skirt is flared just enough so that it can be replaced quickly after streaking
- Place lid upside down on dish to close off dish from outside environment



Cat. No.	Description	Quantity
<b>Beveled ridge</b>		
08-757-13	100 O.D. × 15mm H	500/Cs.
<b>No Ridge</b>		
08-757-9B	100 O.D. × 15mm H; 25/sleeve	500/Cs.
08-757-14	150 O.D. × 15mm H; 10/Sleeve	100/Cs.
<b>Raised ridge</b>		
08-757-12	100 O.D. × 15mm H; 25/Sleeve	500/Cs.

## Fisherbrand™ Petri Dish with Clear Lid

- Made from medical-grade, gamma sterilized polystyrene
- Ventilation ribs on the lid allow for air circulation
- Manufactured in a state-of-the-art cleanroom facility
- Packaging features a UPS™ shippable outer carton to prevent damage
- Product sleeve is made from a strong polymer to prevent bag holes
- Dishes packed in easy-open product sleeve with tear notch
- Product sleeves are vacuum sealed to prevent scuffing and other damage to dishes
- Complete manufacturing traceability with use of both the lot number on the case label and the lot ID number on the product sleeve
- 25/sleeve, 500/case



Cat. No.	Description	Quantity
<b>Raised ridge</b>		
FB0875713A	60 × 15mm	500/Cs.
<b>Beveled ridge</b>		
FB0875714G	95 × 15mm	500/Cs.
FB0875713	100 × 15mm	500/Cs.
<b>Raised ridge</b>		
FB0875712	100 × 15mm	500/Cs.
<b>No rim</b>		
FB0875714	150 × 15mm	100/Cs.

## Fisherbrand™ Square Disposable Petri Dish with Grid

- Grid consists of thirty-six 13 × 13mm squares
- Marked numerically in one direction and alphabetically in the other
- Disposable polystyrene
- Radiation sterilized



Cat. No.	Description	Quantity
08-757-11A	Square disposable petri dish with grid	500/Cs.

## Fisherbrand™ Media-Miser™ Disposable Petri Dishes

- Clear tops for distortion-free viewing
- Venting ribs prevent condensation
- Lids fit snugly when turned over, to reduce the risk of aerial contamination
- Radiation sterilized



Cat. No.	Description	Quantity
08-757-11YZ	Dia. × H (approx): 35 × 10mm	500/Cs.
08-757-13A	Dia. × H (approx): 60 × 15mm	500/Cs.
08-757-14G	Dia. × H (approx): 95 × 15mm	500/Cs.

## Fisherbrand™ Extra-Deep Disposable Petri Dishes

- Disposable polystyrene dishes accommodate deeper media fills for longer culture periods
- Radiation sterilized



### Stackable Dishes

- 100 × 20mm Dish has a raised straight ridge around the top for stable stacking

### Vented Dishes

- 100 × 25mm Dish features three venting ribs on the underside of the lid

Cat. No.	Description	Quantity
<b>Stackable</b>		
08-757-11Z	Dia. × H: 100 × 20mm	500/Cs.
<b>Vented</b>		
08-757-11	Dia. × H: 100 × 25mm	500/Cs.

## Fisherbrand™ Disposable Petri Dishes and Pad Dishes

### Sterilized Petri Dishes

- Tight-fitting lid prevents dehydration
- 47mm dishes can be used with solid agar medium or add absorbent pads for liquid medium
- Molded polystyrene

### Sterilized Pad Dishes

- Preloaded 47mm dishes with sterilized absorbent pads
- Minimize contamination
- Pure cellulose pad
- Extended 3-year shelf-life



Cat. No.	Description	Quantity
<b>Dishes only</b>		
09-720-500	150/Pk.	150/Pk.
<b>Dishes with pads</b>		
09-720-501	150/Pk.	150/Pk.
<b>Dishes only</b>		
09-720-502	600/Pk.	600/Pk.
<b>Dishes with pads</b>		
09-720-503	600/Pk.	600/Pk.

## Pipet Cleaning Equipment

### Fisherbrand Pipet Jar

- Large capacity (diameter × height: 6 × 24") accommodates all your pipettes
- Hexagonal base is stable to protect against tipping
- Steam autoclavable at 121°C (250°F)
- Vertical shape provides easy access for removal
- Can store any tools less than 24" long



Cat. No.	Description	Quantity
15-350-200	Dia. × H: 6 × 24 in.	4/Cs.

### Fisherbrand™ Pipet Sterilizing Boxes

- Rugged stainless steel
- Standard round and square boxes hold pipettes of any length
- Use of several boxes permits segregation of pipettes by size or function
- With snug-fitting covers



Cat. No.	Description	Quantity
<b>Round</b>		
03-465	Dia. × H: 2.5 × 16.5 in. (6.35 × 42cm)	Ea.
<b>Square</b>		
03-475-1	2 L × 2 W × 6 in. H	Ea.
03-475-5	L × W × H: 2 × 2 × 9.25 in.	Ea.
03-475	2 × 2 × 16 1/2 in.	Ea.

## Pipets

### Measuring Pipets

### Fisherbrand™ Dye Industry Pipets

- White graduations stand out against background of dark dye; easier to see and read than conventional amber markings
- Inverse scale—volume graduations start with 0 at tip
- Color coded for quick, accurate identification
- Catalog number, capacity, and accuracy marked on each pipet
- Tough borosilicate glass; Tuf-Temp™-treated to reduce chipping



Cat. No.	Description	Quantity
13-671-109F	Capacity: 1 in 1/100mL; Accuracy: +/-0.02mL	12/Cs.
13-671-109K	Capacity: 5 in 1/10mL; Accuracy: +/-0.04mL	12/Cs.
13-671-109M	Capacity: 10 in 1/10mL; Accuracy: +/-0.06mL	12/Cs.

### Fisherbrand™ Measuring (Mohr) Standard-Taper Pipets

- Borosilicate glass
- Permanent amber markings
- Fast uniform flow
- Tuf-Temp™-treated to reduce chipping
- Available as PersonaPet™ personalized pipets



Cat. No.	Description	Quantity
13-665G	Capacity: 1 in 1/10mL; Accuracy: +/-0.02mL	12/Cs.
13-665F	Capacity: 1 in 1/100mL; Accuracy: +/-0.02mL	12/Cs.
13-665H	Capacity: 2 in 1/10mL; Accuracy: +/-0.02mL	12/Cs.
13-665K	Capacity: 5 in 1/10mL; Accuracy: +/-0.04mL	12/Cs.
13-665M	Capacity: 10 in 1/10mL; Accuracy: +/-0.06mL	12/Cs.
13-665N	Capacity: 25 in 1/10mL; Accuracy: +/-0.10mL	12/Cs.

## Pasteur Pipets

### Fisherbrand™ Disposable Borosilicate Glass Pasteur Pipets

- High-quality borosilicate glass Plugs not supplied Tips held to close diameter tolerances Square cut end



Cat. No.	Description	Quantity
13-678-20A	Approx. length: 5.75 in. (146mm); 720/Cs.	720/Cs.
13-678-20B	Approx. length: 5.75 in. (146mm); 1440/Cs.	1440/Cs.
13-678-20D	Approx. length: 9 in. (229mm); 1440/Cs.	1440/Cs.

### Fisherbrand™ Disposable Controlled-Drop Pasteur Pipets

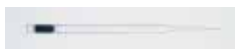
- Deliver 22 to 26 drops per mL
- Correspond to drop size from antisera reagent bottle droppers Can be cotton plugged (plugs not included)



Cat. No.	Description	Quantity
13-678-30	Borosilicate glass	1000/Cs.
13-678-6C	Flint glass	1000/Cs.

## Fisherbrand™ Disposable Cotton-Plugged Borosilicate-Glass Pasteur Pipets

- Straight-cut tips and smooth, fire-polished tops to facilitate bulb attachment
- A positive constriction at approximately 1" (2.5cm) from top holds supplied cotton plug in place, thereby reducing the chance of aspirating liquid into rubber bulb
- Easel box, made of nonlinting material, folds to become a dispenser for easy access to pipets Foam pad at bottom of box preserves tips



Cat. No.	Description	Quantity
13-678-8A	Approx. Length: 5.75 in.	250/Pk.
13-678-8B	Approx. Length: 9 in.	250/Pk.

## Fisherbrand™ Disposable Flint-Glass Pasteur Pipets in Stand-Up Case

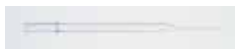
- High-quality flint glass pipets in convenient stand-up case Saves bench space
- Approximate volume: 2mL
- Can be cotton plugged (plugs not included)



Cat. No.	Description	Quantity
22-230-482	Approx. Length: 5.75 in. (14.6cm)	1000/Cs.
22-230490	Approx. Length: 9 in. (22.86cm)	1000/Cs.

## Fisherbrand™ Disposable Soda-Lime Glass Pasteur Pipets

- Uniform bore
- Tip openings range from 0.80 to 1.20mm
- Top and tip free of sharp edges
- Can be cotton plugged (plugs not included)
- Carton top folds back—tilts carton into convenient dispensing position



Cat. No.	Description	Quantity
13-678-6A	Approx. length: 5.75 in. (146mm)	250/Pk.
136786B	Approx. length: 9 in. (229mm)	250/Pk.

## Serological Pipets - Glass

### Fisherbrand™ Borosilicate Glass Disposable Serological Pipets with Regular Tip, Short Length

- Blue markings are easy to read
- Packaging meets requirements of small-, medium-, or large-volume use
- Individually wrapped pipets come in transparent plastic/paper wrappers for easy identification and tear-through, and are further overpacked in handy shelf container/dispensers; ideal for small volumes requiring sterility
- Multipack with resealable flap for larger volume use permits easy access to several pipets at a time without contaminating unused pipets
- Outer packaging is recyclable
- Individually wrapped and multipacked pipets come in sterile and plugged
- Bulk-packed pipets come in nonsterile and nonplugged



Cat. No.	Description	Quantity
13-678-36A	Capacity: 1mL; Subdivisions: 0.01mL	400/Cs.
13-678-36B	Capacity: 5mL; Subdivisions: 0.1mL	200/Cs.
13-678-36C	Capacity: 10mL; Subdivisions: 0.2mL	200/Cs.
13-678-36D	Capacity: 25mL; Subdivisions: 0.2mL	200/Cs.

### Fisherbrand Borosilicate Glass Disposable Serological Pipets with Regular Tip, Standard Length

- Blue markings are easy to read
- Packaging meets requirements of small-, medium-, or large-volume use
- Individually wrapped pipets come in transparent plastic/paper wrappers for easy identification and tear-through, and are further overpacked in handy shelf container/dispensers; ideal for small volumes requiring sterility
- Multipack with resealable flap for larger volume use permits easy access to several pipets at a time without contaminating unused pipets
- Outer packaging is recyclable



Cat. No.	Description	Quantity
<b>Nonsterile;</b>		
13-678-31F	Capacity: 1mL; Subdivisions: 0.01mL	1000/Cs.
<b>Nonsterile</b>		
13-678-31G	Capacity: 2mL; Subdivisions: 0.01mL	500/Cs.
13-678-31H	Capacity: 5mL; Subdivisions: 0.1mL	500/Cs.
13-678-31J	Capacity: 10mL; Subdivisions: 0.1mL	500/Cs.



## Fisherbrand™ Borosilicate Glass Disposable Serological Pipets with Regular Tip, Standard Length

- Chemically inert pipets have negative graduations as well as bidirectional scales
- Blue markings are easy to read
- Packaging meets requirements of small-, medium-, or large-volume use
- Individually wrapped pipets come in transparent plastic/paper wrappers for easy identification and tear-through, and are further overpacked in handy shelf container/dispensers; ideal for small volumes requiring sterility
- Multipack with resealable flap for larger volume use permits easy access to several pipets at a time without contaminating unused pipets
- Outer packaging is recyclable



Cat. No.	Description	Quantity
<b>Sterile and Plugged</b>		
13-678-27A	Capacity: 0.5mL; Subdivisions: 0.01mL; Individually wrapped	500/Cs.
13-678-27B	Capacity: 1mL; Subdivisions: 0.1mL; Individually wrapped	1000/Cs.
13-678-25A	Capacity: 1mL; Subdivisions: 0.1mL; Multipack	1000/Cs.
13-678-27C	Capacity: 1mL; Subdivisions: 0.01mL; Individually wrapped	1000/Cs.
13-678-25B	Capacity: 1mL; Subdivisions: 0.01mL; Multipack	1000/Cs.
13-678-27D	Capacity: 2mL; Subdivisions: 0.01mL; Individually wrapped	500/Cs.
13-678-25C	Capacity: 2mL; Subdivisions: 0.01mL; Multipack	500/Cs.
13-678-27E	Capacity: 5mL; Subdivisions: 0.1mL; Individually wrapped	500/Cs.
13-678-25D	Capacity: 5mL; Subdivisions: 0.1mL; Multipack	500/Cs.
13-678-27F	Capacity: 10mL; 0.1mL Graduations; Individually wrapped	500/Cs.
13-678-25E	Capacity: 10mL; Subdivisions: 0.1mL; Multipack	500/Cs.
<b>Nonsterile and Nonplugged</b>		
13-678-31D	Capacity: 0.5mL; Subdivisions: 0.05mL; Canisters	500/Cs.
13-678-31E	Capacity: 1mL; Subdivisions: 0.1mL; Canisters	1000/Cs.
13-678-26A	Capacity: 1mL; Subdivisions: 0.1mL; Canisters	500/Cs.
13-678-26B	Capacity: 2mL; Subdivisions: 0.01mL; Canisters	500/Cs.
13-678-26C	Capacity: 5mL; Subdivisions: 0.1mL; Canisters	500/Cs.
13-678-26D	Capacity: 10mL; Subdivisions: 0.1mL; Canisters	500/Cs.

## Fisherbrand™ Large Tip Opening Serological Pipets

- Tops formed for cotton plugging (plugs not included) will fit cotton plugging machines  
1mL size has approximately 0.1" (2.5mm) tip opening; other sizes have approximately 0.12" (3mm) tip opening
- Accuracy printed on each pipet
- Borosilicate glass with permanent amber markings
- Tuf-Temp™ treated to reduce chipping
- All Fisherbrand Reusable Serological Pipets also available as PersonaPet™ personalized pipets



Cat. No.	Description	Quantity
13-671-108A	Capacity: 1 in 1/10mL	12/Cs.
13-671-108C	Capacity: 5 in 1/10mL	12/Cs.
13-671-108D	Capacity: 10 in 1/10mL	12/Cs.
13-671-108E	Capacity: 25 in 1/10mL	12/Cs.

## Fisherbrand™ Reusable Cotton-Plug Top Serological Pipets

- Constriction in glass top prevents cotton plug from going down into pipet (plugs not included)
- Accuracy printed on each pipet
- Borosilicate glass with permanent amber markings
- Tuf-Temp™ treated to reduce chipping
- All Fisherbrand Reusable Serological Pipets also available as PersonaPet™ personalized pipets



Cat. No.	Description	Quantity
13-675K	Capacity: 5 in 1/10mL	12/Cs.
13-675M	Capacity: 10 in 1/10mL	12/Cs.

## Fisherbrand Serialized/Certified Serological Pipets

- Fast, uniform flowrates
- Meet specifications for Kahn pipets
- Accuracy printed on each pipet
- Sizes 5, 10 and 25mL can be cotton plugged



Cat. No.	Description	Quantity
13-675-3N	Capacity: 25 in 1/10mL; Accuracy: +/-0.05mL; White	6/Cs.

## Fisherbrand™ Standard-Top Serological Pipets

- Accuracy printed on each pipet
- Borosilicate glass, permanent amber markings  
Tuf-Temp™ treated to reduce chipping
- All Fisherbrand Reusable Serological Pipets also available as PersonaPet™ personalized pipets

Cat. No.	Description	Quantity
<b>Yellow</b>		
13-675F	Capacity: 1 in 1/100mL	12/Cs.
<b>Green</b>		
13-675H	Capacity: 2 in 1/10 mL	12/Cs.

## Serological Pipets - Plastic

## Fisherbrand™ Sterile Disposable Standard Serological Pipets

- Polystyrene Negative graduations on all sizes
- Ascending and descending graduations on all but the 1 and 2mL sizes
- Sterile and nonwetable pipets
- Offer a tolerance of  $\pm 2\%$  at full volume and have plug-in mouth end
- Recyclable outer packaging
- Bulk packed
- Each pipet lot is tested for sterility, accuracy and endotoxin level



Cat. No.	Description	Quantity
<b>Orange Capacity</b>		
13-678-14A	Capacity: 0.1mL; Subdivisions: 1/10mL; Negative graduations: 3	500/Cs.
<b>Yellow</b>		
13-678-12B	Capacity: 1mL; Subdivisions: 1/100mL; Negative graduations: 0.4	1000/Cs.
<b>Green</b>		
13-678-12C	Capacity: 2mL; Subdivisions: 1/100mL; Negative graduations: 0.4	500/Cs.
<b>Blue</b>		
13-678-12D	Capacity: 5mL; Subdivisions: 1/10mL; Negative graduations: 2	500/Cs.
<b>Orange</b>		
13-678-12E	Capacity: 10mL; Subdivisions: 1/10mL; Negative graduations: 3	500/Cs.
<b>Red</b>		
13-678-14B	Capacity: 25mL; Subdivisions: 1/20mL; Negative graduations: 10	200/Cs.
<b>Purple</b>		
13-678-14C	Capacity: 50mL; Subdivisions: 1/50mL; Negative graduations: 9	100/Cs.

## Fisherbrand™ Sterile Polystyrene Disposable Serological Pipets with Magnifier Stripe

- Color coded magnifier stripe runs lengthwise along pipet, making meniscus obvious at arm's length—reducing reading errors
- Pipets have improved optical clarity—high-contrast black markings make volumes easier to read
- Sterile and nonwetable pipets
- Offer a tolerance of  $\pm 2\%$  at full volume and have plug-in mouth end
- 5, 10, 25, and 50mL pipets have ascending and descending graduations
- Improved tip design on 25 and 50mL pipets increases the effect of surface tension to minimize dripping
- Color coding on each pipet and on inner bags for multipack pipets make it easy to spot the size needed
- Each pipet lot is tested for sterility, accuracy and endotoxin level
- Individually wrapped, with paper and plastic wraps, 50 per pack/200 per case



Cat. No.	Description	Quantity
<b>Yellow</b>		
13-676-10G	0.01mL graduations; 1mL Capacity, Individual all-plastic wrap	1000/Cs.
13-678-11B	0.01mL graduations; 1mL Capacity, Individual paper/plastic wrap	1000/Cs.
13-676-10B	0.01mL graduations; 1mL Capacity, Non-individually Wrapped Bulk Package	1000/Cs.
<b>Green</b>		
13-675-3C	0.01mL graduations; 2mL Capacity, Individual all-plastic wrap	500/Cs.
13-678-11C	0.01mL graduations; 2mL Capacity, Individual paper/plastic wrap	500/Cs.
13-675-2C	0.01mL graduations, 2mL Capacity, Multipack	500/Cs.
<b>Blue</b>		
13-676-10H	0.1mL graduations; 5mL Capacity; Individual all-plastic wrap	200/Cs.
13-678-11D	0.1mL graduations; 5mL Capacity; Individual paper/plastic wrap	200/Cs.
13-676-10C	0.1mL graduations; 5mL Capacity; Multipack	500/Cs.
<b>Orange</b>		
13-676-10J	0.1mL graduations; 10mL Capacity; Individual all-plastic wrap	200/Cs.
13-678-11E	0.1mL graduations; 10mL Capacity; Individual paper/plastic wrap	200/Cs.
13-676-10F	0.1mL graduations; 10mL Capacity; Multipack	500/Cs.
<b>Red</b>		
13-676-10K	0.2mL graduations; 25mL Capacity; Individual all-plastic wrap	200/Cs.
13-678-11	0.2mL graduations; 25mL Capacity; Individual paper/plastic wrap	200/Cs.
13-676-10M	0.2mL graduations; 25mL Capacity; Multipack	200/Cs.
<b>Purple</b>		
13-676-10R	0.5mL graduations; 50mL Capacity; Individual all-plastic wrap	100/Cs.
13-678-11F	0.5mL graduations; 50mL Capacity; Individual paper/plastic wrap	100/Cs.
13-676-10Q	0.5mL graduations; 50mL Capacity; Multipack	100/Cs.

Transfer Pipets

### Fisherbrand™ Blood Bank Disposable Transfer Pipettes

- Capacity: approximately 5mL
- Delivers 24 to 26 drops/mL



Cat. No.	Description	Quantity
13-711-6M	Length: 15cm	500/Pk.
13-711-5AM	Length: 14.6cm	500/Pk.

### Fisherbrand™ Disposable Graduated Transfer Pipettes

- Available gamma radiation-sterilized or nonsterile
- With 0.25mL graduations
- 5.8mL capacity
- Draw 3.4mL per squeeze



Cat. No.	Description	Quantity
<b>Sterile</b>		
13-711-20	Capacity: 5.8mL; Individually-wrapped	500/Pk.
13-711-9CM	Capacity: 5.8mL; 20/bag	500/Pk.
13-711-9BM	Capacity: 5.8mL; 500/Pk.	500/Pk.
<b>Nonsterile;</b>		
13-711-9AM	Capacity: 5.8mL; 500/Pk.	500/Pk.

### Fisherbrand™ Standard Disposable Transfer Pipettes

- Put an end to matching rubber bulb with glass pipette. Since entire unit is disposable, these pipettes prevent cross-contamination to samples and reduce airborne contamination to personnel. Molded in one piece from see-through, low-density polyethylene
- Inert to biological fluids and most acids
- Work well in hematology, urinalysis, chemistry, blood banking—anywhere there is a need for quick, safe transfer of fluids
- In four ready-to-use styles
- One squeeze draws from 2.0 to 3.3mL (depending on style used)
- All deliver repeatable drop sizes
- Can be sealed and refrigerated for sample storage (seal with Cat. No. 02-678 Hemato-Seal™ Tube Sealant)



Cat. No.	Description	Quantity
<b>Graduated</b>		
13-711-9D	Length: 6 in.; Capacity: 7.5mL	500/Pk.
<b>Nongraduated</b>		
13 711 7M	Length: 5.875 in.; Capacity: 7.7mL	500/Pk.

Pipets

### Fisherbrand™ Reusable Class A Volumetric Pipets

- Borosilicate glass
- Volume accuracy marked on each pipet
- Permanent amber markings
- Tuf-Temp™-treated tempered tips reduce chipping



Cat. No.	Description	Quantity
<b>Standard;</b>		
13-650-2A	Capacity: 0.5mL	12/Cs.
13-650-2B	Capacity: 1mL	12/Cs.
13-650-2C	Capacity: 2mL	12/Cs.
13-650-2D	Capacity: 3mL	12/Cs.
13-650-2Y	Capacity: 2.5mL	12/Cs.
13-650-2E	Capacity: 4mL	12/Cs.
13-650-2F	Capacity: 5mL	12/Cs.
13-650-2G	Capacity: 6mL	12/Cs.
13-650-2H	Capacity: 7mL	12/Cs.
13-650-2J	Capacity: 8mL	12/Cs.
13-650-2K	Capacity: 9mL	12/Cs.
13-650-2L	Capacity: 10mL	12/Cs.
13-650-2X	Capacity: 12mL	12/Cs.
13-650-2M	Capacity: 15mL	Ea.
13-650-2N	Capacity: 20mL	Ea.
13-650-2P	Capacity: 25mL	Ea.
13-650-2Q	Capacity: 30mL	Ea.
13-650-2R	Capacity: 40mL	Ea.
13-650-2S	Capacity: 50mL	Ea.
13-650-2T	Capacity: 75mL	Ea.
13-650-2U	Capacity: 100mL	Ea.
13-650-2W	Capacity: 200mL	Ea.
<b>Serialized</b>		
13-650-3A	Capacity: 0.5mL	6/Cs.
13-650-3B	Capacity: 1mL	6/Cs.
13-650-3C	Capacity: 2mL	6/Cs.
13-650-3D	Capacity: 3mL	6/Cs.
13-650-3E	Capacity: 4mL	6/Cs.
13-650-3F	Capacity: 5mL	6/Cs.
13-650-3G	Capacity: 6mL	6/Cs.
13-650-3H	Capacity: 7mL	6/Cs.
13-650-3J	Capacity: 8mL	6/Cs.
13-650-3K	Capacity: 9mL	6/Cs.
13-650-3L	Capacity: 10mL	6/Cs.
13-650-3M	Capacity: 15mL	6/Cs.
13-650-3N	Capacity: 20mL	6/Cs.
13-650-3P	Capacity: 25mL	6/Cs.
13-650-3Q	Capacity: 30mL	6/Cs.
13-650-3R	Capacity: 40mL	6/Cs.
13-650-3S	Capacity: 50mL	6/Cs.
13-650-3T	Capacity: 75mL	6/Cs.
13-650-3V	Capacity: 100mL	6/Cs.

**Pipettor Tips**

**Filtering Pipettor Tips**

**Fisherbrand™ Aerosol-Barrier Tips**

- Unique small micron filter prevents aerosol contamination with no obstruction to airflow
- Use aerosol barrier tips to ensure result integrity Bulk packs are autoclavable; sterile products are not autoclavable
- Certified by independent laboratory
- Natural color
- Nonsterile: RNase, DNase, DNA, and Pyrogen Free



Cat. No.	Description	Quantity
<b>Volume: 0.2-10uL</b>		
02-707-30	Length: 1.25 in.; Micro-P2/P10; HRS; 10 × 96	960/Pk.
02-707-27	Length: 1.8 in., Ultra-Micro; LRS; 10 × 96	960/Pk.
<b>Volume: 10uL</b>		
02-707-153	Length: 1.7 in., reach; Bulk Pack	1000/Pk.
<b>Volume: 30uL</b>		
0270733	Length: 2 in.; HRS, 10 × 96	960/Pk.
<b>Volume: 50uL</b>		
02-707-36	Length: 2 in.; HRS, 10 × 96	960/Pk.
<b>Volume: 100uL</b>		
02-707-39	Length: 2 in.; HRS, 10 × 96	960/Pk.

**Fisherbrand™ Aerosol-Barrier Tips: 200–5000µL**



Cat. No.	Description	Quantity
02-707-42	Vol.: 200uL; Length: 2 in.; HRS, 10 × 96	960/Pk.
02-707-74	Vol.: 200uL; Length: 2 in.; LRS, 10 × 96	960/Pk.
02-707-66	Vol.: 200uL; Length: 2.3 in., elongated; BP	1000/Pk.
02-707-68	Vol.: 200uL; Length: 2.3 in., elongated; LRS, 10 × 96	960/Pk.
02-707-80	Vol.: 200uL; Length: 3.5 in.; LRS, 10 × 100	800/Pk.
02-707-77	Vol.: 200uL; Length: 3.5 in., extended; LR, 8 × 204	1632/Pk.
02-707-71	Vol.: 300uL; Length: 2.3 in.; LRS, 10 × 96	960/Pk.
02-707-51	Vol.: 1000-1300uL; Length: 3.1 in.; LRS; 10 × 96	1000/Pk.
02-707-167	Vol.: 1250uL; Length: 3.12 in.; LRS, 10 × 96	960/Pk.

**Repeater Pipettor Tips**

**Fisherbrand™ Dispenser Tips for Handystep™ S Repeating Pipetter**

- Precision seal between the piston and cylinder ensure smooth operation, increased accuracy and precision
- Extended piston design minimizes dead volume and maximizes fluid utilization
- Made entirely from high-quality virgin high-density polyethylene and polypropylene (Piston of 0.1mL tip is liquid crystal polymer-LCP)



Cat. No.	Description	Quantity
<b>Sterile</b>		
13-668-711	0.5mL	100/Pk.
13-668-710	0.1mL	100/Pk.
13-668-712	1mL	100/Pk.
13-668-713	1.25mL	100/Pk.
13-668-714	2.5mL	100/Pk.
13-668-715	5mL	100/Pk.
13-668-717	12.5mL	100/Pk.
13-668-718	25mL	25/Pk.
13-668-719	50mL	25/Pk.
13-668-721	25mL and 50mL	5/Pk.
<b>Non-sterile</b>		
13-668-701	0.5mL	100/Pk.
13-668-700	0.1mL	100/Pk.
13-668-702	1mL	100/Pk.
13-668-703	1.25 mL	100/Pk.
13-668-704	2.5 mL	100/Pk.
13-668-705	5.0 mL	100/Pk.
13-668-706	10mL	100/Pk.
13-668-707	12.5mL	100/Pk.
13-668-708	25mL	50/Pk.
13-668-709	50mL	25/Pk.
13-668-720	25mL and 50mL	10/Pk.

Specialty Pipetter Tips

### Fisherbrand™ Dispenser Tips

- Designed exclusively to fit the Fisherbrand Repeating Pipetter or the Eppendorf™ Repeater™ Pipetter Ideal for accurately filling a large number of sample tubes with a variety of sample volumes in minimal time
- Polypropylene tips with inner plunger of polyethylene (except 0.05mL tips that feature a stainless-steel plunger) provide adequate chemical resistance Large liquid reservoir stores the entire liquid volume indicated by tip's size Each tip permits selection of five different dispensing volumes by simply turning the dial on the Repeater Pipetter
- Reservoir graduations allow easy monitoring of liquid levels Long, thin shape of tips makes it easy to draw samples into liquid reservoir—even from narrow-neck containers Sample never comes in contact with pipetter



Cat. No.	Description	Quantity
<b>Sterile</b>		
13-683-62B	1.25mL	100/Pk.
13-683-62C	2.5mL	100/Pk.
13-683-62D	5.0mL	100/Pk.
<b>Non-sterile</b>		
13-668-703	1.25 mL	100/Pk.
13-668-704	2.5 mL	100/Pk.
13-668-705	5.0 mL	100/Pk.

### Fisherbrand Large-Orifice Pipet Tips

- Assist in pipetting small volumes of viscous materials
- Help eliminate shearing of genomic DNA and fragile cells



Cat. No.	Description	Quantity
02-707-134	1 to 200uL; Packaging: HRS, 10 x 96	960/Pk.
02-707-143	101 to 1000uL; Packaging: bulk pack; Extended length	1000/Pk.
02-707-142	101 to 1000uL; Packaging: LRS, 10 x 100	1000/Pk.
02-707-140	101 to 1000uL; Packaging: bulk pack	1000/Pk.

### Fisherbrand™ Low-Retention Pipet Tips

- Low retention surface minimizes samples loss
- Certified by independent laboratory
- Nonsterile: RNase, DNase, DNA, and Pyrogen Free; Sterile: RNase, DNase, DNA, Bioburden, PCR Inhibitor, and Pyrogen Free
- Natural color



Cat. No.	Description	Quantity
<b>Sterile</b>		
02-717-135	10uL; Universal fit	960/Pk.
02-717-132	10uL; Extended length; Universal fit	960/Pk.
02-717-138	10uL; For Eppendorf pipetters	960/Pk.
02-717-163	100uL; Beveled; Graduated; Filtered; Universal fit	960/Pk.
02-717-141	200uL; Universal fit	960/Pk.
02-717-144	200uL; Beveled; Graduated; Universal fit	960/Pk.
02-717-165	200uL; Beveled; Graduated; Filtered; Universal fit	960/Pk.
02-717-148	300uL; Graduated; For Titertek Pipetters	960/Pk.
02-717-151	1000uL; Extended Length; Universal fit	1000/Pk.
02-717-166	1000uL; Extended Length; Filtered; Universal fit	1000/Pk.
<b>Non-sterile;</b>		
02-717-134	0.1 to 10uL; Universal fit	960/Pk.
02-717-131	0.1 to 10uL; Extended length; Universal fit	960/Pk.
02-717-137	0.1 to 10uL; For Eppendorf Pipetters	960/Pk.
02-717-136	10uL; For Eppendorf pipetters	1000/Pk.
02-717-139	200uL; Beveled; Universal fit	1000/Pk.
02-717-143	200uL; Beveled; Graduated; Universal fit	960/Pk.
02-717-149	1000uL; Extended length; Universal fit; Bulk pack	1000/Pk.
02-717-150	1000uL; Extended Length; Universal fit; Racked	1000/Pk.

### Fisherbrand™ Pipetter-Specific Tips

- Tips for specific applications
- Designed to fit distinctive pipetters
- Certified by independent laboratory
- Nonsterile: RNase, DNase, DNA, and Pyrogen Free; Sterile: RNase, DNase, DNA, Bioburden, PCR Inhibitor, and Pyrogen Free



Cat. No.	Description	Quantity
<b>Natural</b>		
21-244-3	1 to 200uL; 63.5mm long; Packaging: stack rack, 5 x 200	1000/Pk.
<b>Eppendorf style</b>		
21-374D	Yellow; 1 to 200uL; 47.8mm long; Packaging: SR 5 x 200	1000/Pk.
21-375D	Yellow; 1 to 200uL; 47.8mm long; Bulk pack	1000/Pk.
21-375E	Blue; 101 to 1000uL; 71mm long; Bulk pack	1000/Pk.
<b>Titertek style</b>		
02-707-62	Natural; 5 to 300uL; 54mm long; Packaging: Bulk pack	1000/Pk.
<b>Natural</b>		
02-681-182	100-1000uL; 101.6mm long; Bulk pack	500/Pk.



Universal Pipettor Tips

## Fisherbrand™ Extended-Length Tips

- Easily reach the bottom of long tubes
- Minimize pipet contamination by preventing pipet shaft from contacting the tube or vessel
- Natural color
- Certified by independent laboratory
- Nonsterile: RNase, DNase, DNA, and Pyrogen Free; Sterile: RNase, DNase, DNA, Bioburden, PCR Inhibitor, and Pyrogen Free



Cat. No.	Description	Quantity
02-681-423	Volume: 101 to 1000uL; Packaging: LRS, 10 × 100	1000/Pk.

## Fisherbrand™ Gel-Loading Tips

- Round gel-loading tip
- Easily load gels 0.2, 0.4 and 0.6mm
- Applications include Agarose DNA gels, 2-D and SDS PAGE, Capillary gels and Sequencing
- Certified by independent laboratory
- Nonsterile: RNase-, DNase-, DNA-, and Pyrogen-Free; Sterile: RNase-, DNase-, DNA-, Bioburden-, PCR Inhibitor-, and Pyrogen-Free



Cat. No.	Description	Quantity
02707181	Volume: 200uL; Length: 2.75 in.; O.D.: 0.6mm; Packaging: BP	1000/Pk.
02-707-138	Volume: 1-200uL; Length: 2.75 in.; O.D.: 0.6mm; Packaging: HR, 10 × 96	960/Pk.
02-707-182	Volume: 1-200uL; Length: 2.75 in.; O.D.: 0.6mm; Packaging: Lift-Off Rack; 5 × 204	1020/Pk.

## Fisherbrand™ Maxi Pipet Tips

- Designed for use when transferring large sample volume
- Advanced molding technology ensure tips are straight
- Alternative option to serological pipets
- Nonsterile; certified by independent laboratory to be RNase, DNase, DNA, and Pyrogen free



Cat. No.	Description	Quantity
02-681-412	Volume: 1 to 10mL; 6.44 in.	200/Pk.
02-681-409	Volume: 500-2500uL; 4.5 in.	500/Pk.
21-195-3	Volume: 1000 to 5000uL; 4.56 in.	250/Pk.
02-681-410	Volume: 500uL; 4.75 in.	250/Pk.

## Fisherbrand™ Premium Plus Gel-Loading Tips

- Easily access bottom of narrow vessels and gel wells
- Universal fit
- Graduated marks for quick volume checks
- Certified DNase-, RNase-, and human DNA-free



### Match O.D. to Gel Thickness

- Round 0.57mm O.D. tips are recommended for loading gels ≥0.6mm thick—great for SDS Page and 2-D gels
- Flat tips are recommended for gels up to 0.4mm thick
- Use flat 0.37mm O.D. tips for 0.4mm thick PAGE sequencing gels; flat 0.17mm tips for 0.2mm DNA sequencing gels

### MultiFlex Tips

- 0.5 to 200µL volume
- Fit research-grade pipettors
- 83mm long
- 5µL graduation

### MiniFlex Tips

- 0.1 to 10µL volume
- Fit ultra-micro pipettors
- 45mm long
- 2µL graduation

Cat. No.	Description	Quantity
<b>Flat</b>		
05-408-152	0.1 to 10uL; O.D.: 0.17mm; 400/cs.	400/Cs.
05-408-150	0.5 to 200uL; O.D.: 0.37mm; 400/cs.	400/Cs.
<b>Round</b>		
05-408-153	0.1 to 10uL; O.D.: 0.57mm; 400/cs.	400/Cs.
05-408-151	0.5 to 200uL; O.D.: 0.57mm; 400/Cs.	400/Cs.

## Fisherbrand™ Redi-Tip™ Pipet Tips

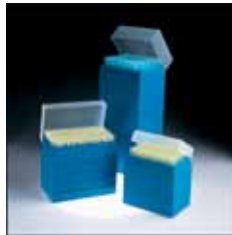
- Certified by independent laboratory
- Nonsterile: RNase, DNase, DNA, and pyrogen Free
- Sterile: RNase, DNase, DNA, Bioburden, PCR Inhibitor, and pyrogen Free



Cat. No.	Description	Quantity
<b>Blue</b>		
02-681-163	101-1000uL; 2.75 in. (7mm);BP	1000/Pk.
02-707-508	101-1000uL; 2.75 in. (7mm); HR, 10 × 100	1000/Pk.
02-707-510	101-1000uL; 2.75 in. (7mm); RI, 10 × 100	1000/Pk.
02-707-507	101-1000uL; 2.75 in. (7mm); BP	1000/Pk.
<b>Natural</b>		
02-707-505	1-200uL;2 in. (50.8mm); HR, 10 × 96	960/Pk.
02-681-150	1-200uL;2 in. (50.8mm); SR, 10 × 96	1000/Pk.
02-707-506	1-200uL;2 in. (50.8mm); HRS, RI, 5 × 96	480/Pk.
02-681-170	101-1000uL; 2.75 in. (7mm); LRS	1000/Pk.
02-681-168	101-1000uL; 2.75 in. (7mm); BP	1000/Pk.
<b>Yellow</b>		
02681151	1-200uL;2 in. (50.8mm); BP, 10 × 96	1000/Pk.
02-707-500	1-200uL;2 in. (50.8mm); Bulk Pack	1000/Pk.
02-707-501	1-200uL;2 in. (50.8mm); HR, 10 × 96	960/Pk.
02-707-502	1-200uL;2 in. (50.8mm); HRS, 10 × 96	960/Pk.
02-707-503	1-200uL;2 in. (50.8mm); RI, 5 × 96	480/Pk.

## Fisherbrand™ Stack-Rack Space-Saver Tips

- Racks nest together with each rack serving as a lid for the rack below
- Rack packs contain five racks of tips, with a base and dust cover
- Available in 5 × 96, 5 × 100, or 5 × 200 formats
- Certified by independent laboratory
- Nonsterile: RNase, DNase, DNA, and Pyrogen Free



Cat. No.	Description	Quantity
<b>Beveled</b>		
02-707-105	Natural; Volume: 1-200uL; Length: 2 in.; 5 Racks of 200	1000/Pk.
02-707-115	Yellow; Volume: 1-200uL; Length: 2 in.; Graduated; 5 Racks of 96	480/Pk.
02-707-106	Yellow; Volume: 1-200uL; Length: 2 in.; 5 Racks of 200	1000/Pk.
<b>Standard</b>		
02-707-107	Natural; Volume: 101-1000uL; Length: 2.75 in.; 2 stacks/5 Racks of 100	1000/Pk.

## Fisherbrand™ Standard Pipette Tips

**For use with, but not limited to:**

- Costar™ OnePette™, Costar 8/12 Pette™
- Eppendorf™
- Thermo Scientific FinnpiPETTE™
- LabPette™ 8- and 12-Channel
- Nichiryo™
- Pipetman™
- Rainin™ EDP2™
- Oxford™ Benchmate™
- Socorex™
- Titertek Digital™
- UNITEK™ Volac™

Cat. No.	Description	Quantity
02-681-3	Natural; 1-200uL	1000/Pk.
02-681-2	Yellow; 1 to 200uL	1000/Pk.
02-681-4	Blue; 101 to 1000uL	1000/Pk.

## Fisherbrand™ Standardization Pipet Tips

- Soft pliable tip collar allows this tip to fit on pipets made by various manufacturers
- Lower cost and increase convenience by purchasing fewer products Available in a variety of packaging options
- Eliminate the need to buy pipetter-specific tips
- Certified by independent laboratory
- Nonsterile: RNase, DNase, DNA, and Pyrogen Free; Sterile: RNase, DNase, DNA, Bioburden, PCR Inhibitor, and Pyrogen Free



Cat. No.	Description	Quantity
<b>Volume: 0-200uL</b>		
21-375-12	Length: 2 in.; Natural; Lift-off rack, Sterile, 10 × 96	960/Pk.
02-681-135	Length: 2 in.; Natural; Lift-off rack, 10 × 96	960/Pk.
02-681-141	Length: 2 in.; Yellow; Lift-off Rack, 10 × 96	960/Pk.
21-375G	Small MLA-style; Length: 2 in.; Natural; Bulk Packaging	1000/Pk.
02-681-134	Length: 2 in.; Natural; Bulk Packaging	1000/Pk.
02-681-140	Length: 2 in.; Yellow; Bulk Packaging	1000/Pk.
<b>Volume: 200-1000uL</b>		
02-681-160	Length: 3.43 in.; Natural; Bulk Pack	1000/Pk.
<b>Volume: 200-1300uL</b>		
02-681172	Length: 3.13 in.; Blue; Bulk Pack	1000/Pk.
<b>Volume: 0-1000uL</b>		
02-681-161	Length: 3.4 in., combo; Natural; Stack rack, 3 × 200	600/Pk.

## Fisherbrand™ SureGrip™ Pipet Tip Reload System

- Compatible with most manufacturers' racks
- Reduces waste by 80% Certified DNase, RNase, Human DNA and PCR inhibitor free



**Pipet Tips in Racks**

- All tips are available racked in sturdy, reusable CellRacks
- Withstand numerous autoclave cycles
- Keep tips aligned for pipetter mounting

**Several Tip Sizes Available**

- 10µL Pipet tip has graduation marks at 2µL and 10µL
- 10µL Long Reach tip features extended length (45mm) to reach the bottom of tubes without contaminating pipetter shaft, and graduation marks at 2µL, 5µL and 10µL
- 200µL Pipet tip features a soft-fit collar for easy mounting and ejection, and graduation marks at 10µL, 50µL and 100µL
- 1250µL Pipet tip features an extended length (103mm), racked on 9mm centers (multichannel compatible), and graduation marks at 200µL, 500µL and 1000µL

Cat. No.	Description	Quantity
<b>Natural</b>		
05-408-184	10uL	960/Pk.
05-408-186	10uL; Racked; 960/pk.	960/Pk.
05-408-185	10uL; Racked; 10/Cs.	10/Cs.
05-408-188	10uL, Long Reach; Racked	960/Pk.
05-408-187	10uL, Long Reach	960/Pk.
05-408-193	200uL; Long Reach	10/Cs.
05-408-194	1250uL; 768/Pk.	768/Pk.
05-408-196	1250uL; Racked; 768/Pk.	768/Pk.
05-408-195	1250uL; 8/Cs.	8/Pk.
<b>Yellow</b>		
05-408-192	Volume: 200uL; Racked	960/Pk.

## Fisherbrand™ SureOne Beveled Pipet Tips, Universal Fit

- All racked sterile tips are shrink wrapped and certified free of RNase, DNase, ATP, pyrogen, bioburden, PCR inhibitors and endotoxin and DNA
- All nonsterile racked and bulk nonfiltered tips are certified free of RNase, DNase, and DNA



### SureOne Rack Features

- Flush Fit Inserts sit flush with rack, allowing easy multichannel pipetting
- Recycle Logo molded into all rack components
- Notched clasp props lid open for autoclave venting
- Sure Stack lid rim prevents racks from sliding around when stacked and carted around a lab
- Safe-Lock latch allows for one-handed open and closing ability and won't pop open when dropped
- Sure-snap design securely holds insert in place, preventing it from being lifted out while pipetting
- Reversible flip-lid can be either a hinged or lift-off lid; hinged format does not prevent use of a multichannel pipet

### SureOne Insert Features

- Inserts are easy to place onto and remove from rack; clip onto rack for a secure fit
- Lot traceable—all inserts contain the Fisherbrand part number, tip volume, lot number
- Indented insert holes inhibit tip movement, stabilizing them for multichannel work
- Contact Clip prevents unnecessary contact with the tips while clipping in inserts
- Multichannel design; all inserts are 96-well format
- Robust non-pliable design provides secure seals on every tip

### SureOne Reload Packaging Features

- Product information displayed on box
- Dust Flap prevents debris from contaminating the product
- Finger Knockouts allow easy access to slide out product
- Canyon Cut Package allows for easy tip insert removal
- Reload packaging design saves 58% bench space vs. racked packaging; reduces plastic waste by 52%

Cat. No.	Description	Quantity
<b>Clear</b>		
02-707-416	Sterile; Tips: Hinged Rack, Nonfilter, SureOne; Packaging: HRS, 10 × 96	960/Pk.
02-707-415	Nonsterile; Tips: Hinged Rack, Nonfilter, SureOne; Packaging: HR, 10 × 96	960/Pk.
02-707-417	Nonsterile; Tips: Nonfilter, SureOne; Packaging: RD, 10 × 96	960/Pk.
02-707-450	Nonsterile; Tips: Beveled, Nonfilter, SureOne; Packaging: BP	1000/Pk.
<b>Yellow</b>		
02-707-422	Sterile; Tips: Beveled, Hinged Rack, Nonfilter, SureOne; Packaging: HRS, 10 × 96	960/Pk.
02-707-414	Nonsterile; Tips: Nonfilter, SureOne; Packaging: RD, 10 × 96	960/Pk.
02-707-421	Nonsterile; Tips: Beveled, Hinged Rack, Nonfilter, SureOne; Packaging: BP	960/Pk.
02-707-412	Nonsterile; Tips: Hinged Rack, Nonfilter, SureOne; Packaging:	960/Pk.
02-707-423	Nonsterile; Tips: Beveled, Hinged Rack, Nonfilter, SureOne; Packaging: RD, 10 × 96	960/Pk.
02707448	Nonsterile; Tips: Nonfilter, SureOne; Packaging: BP	1000/Pk.

## Fisherbrand™ SureOne Micropoint Nano Pipet Tips, Universal Fit

- Natural color
- Precision molded for accuracy in low volume pipetting
- Certified by independent laboratory: Nonsterile: RNase, DNase, DNA, and Pyrogen Free; Sterile: RNase, DNase, DNA, Bioburden, PCR Inhibitor, and pyrogen-free



Cat. No.	Description	Quantity
<b>Volume: 0.5-10uL</b>		
21-197-2E	Length: 1.81 in.; Hinged rack, 10 × 96	960/Pk.
21-197-2F	Length: 1.81 in.; Nonsterile; Bulk pack	1000/Pk.
<b>Volume: 0.1-10uL</b>		
21-277-2B	Length: 1.25 in.; Nonsterile; Hinged rack, 10 × 96	960/Pk.
21-277-2A	Length: 1.25 in.; Nonsterile; Bulk pack	1000/Pk.

## Fisherbrand™ SureOne™ Micropoint Pipet Tips, Universal Fit

- All racked sterile tips are shrink wrapped and certified free of RNase, DNase, ATP, pyrogen, bioburden, PCR inhibitors and endotoxin and DNA All nonsterile racked and bulk nonfiltered tips are certified free of RNase, DNase, and DNA



### SureOne Rack Features

- Flush Fit Inserts sit flush with rack, allowing easy multichannel pipetting
- Recycle Logo molded into all rack components
- Notched clasp props lid open for autoclave venting
- Sure Stack lid rim prevents racks from sliding around when stacked and carted around a lab
- Safe-Lock latch allows for one-handed open and closing ability and won't pop open when dropped
- Sure-snap design securely holds insert in place, preventing it from being lifted out while pipetting
- Reversible flip-lid can be either a hinged or lift-off lid; hinged format does not prevent use of a multichannel pipet

### SureOne Insert Features

- Inserts are easy to place onto and remove from rack; clip onto rack for a secure fit
- Lot traceable—all inserts contain the Fisherbrand part number, tip volume, lot number
- Indented insert holes inhibit tip movement, stabilizing them for multichannel work
- Contact Clip prevents unnecessary contact with the tips while clipping in inserts
- Multichannel design; all inserts are 96-well format Robust non-pliable design provides secure seals on every tip

### SureOne Reload Packaging Features

- Product information displayed on box
- Dust Flap prevents debris from contaminating the product
- Finger Knockouts allow easy access to slide out product
- Canyon Cut Package allows for easy tip insert removal
- Reload packaging design saves 58% bench space vs. racked packaging; reduces plastic waste by 52%

Cat. No.	Description	Quantity
<b>0.1 to 10uL</b>		
02-707-438	Micropoint, Graduated at 2uL, Clear, Reload, 10 × 96 tips/tray	960/Pk.
02-707-437	Graduated at 2uL; Hinged racked sterile	960/Pk.
02-707-440	Micropoint, Graduated at 2.5uL, Extended length, Clear, Racked, 10 × 96 tips/tray	960/Pk.
<b>5 to 300uL</b>		
02-707-409	Beveled tip, Clear, Racked, 10 × 96 tips/tray	960/Pk.
02-707-410	Beveled tip, Clear, Racked Sterile, 10 × 96 tips/tray	960/Pk.
<b>100 to 1250uL</b>		
02-707-408	Graduated at 100, 200, 500, 1000uL; Blue; Reloaded, 960/Pk.	960/Pk.
02-707-405	Micropoint, Graduated at 100, 200, 500, 1000uL, Blue, Bulk, 1000 tips/bag	1000/Pk.
02-707-402	Micropoint, Graduated at 100, 200, 500, 1000uL, Clear	960/Pk.
02-707-401	Micropoint, Graduated at 100, 200, 500, 1000uL, Clear, Racked, 10 × 96 tips/tray	960/Pk.
02-707-400	Graduated at 100, 200, 500, 1000uL; Bulk	1000/Pk.
02-707-403	Graduated at 100, 200, 500, 1000uL; Reload stack	960/Pk.

## Fisherbrand™ SureOne™ Thin Wall Micropoint Pipet Tips, Universal Fit

- All racked sterile tips are shrink wrapped and certified free of RNase, DNase, ATP, pyrogen, bioburden, PCR inhibitors and endotoxin and DNA
- All nonsterile racked and bulk nonfiltered tips are certified free of RNase, DNase, and DNA
- Volume: 1-200µL
- Overall Length: 2"



### SureOne Rack Features

- Flush Fit Inserts sit flush with rack, allowing easy multichannel pipetting
- Recycle Logo molded into all rack components
- Notched clasp props lid open for autoclave venting
- Sure Stack lid rim prevents racks from sliding around when stacked and carted around a lab
- Safe-Lock latch allows for one-handed open and closing ability and won't pop open when dropped
- Sure-snap design securely holds insert in place, preventing it from being lifted out while pipetting
- Reversible flip-lid can be either a hinged or lift-off lid; hinged format does not prevent use of a multichannel pipet

### SureOne Insert Features

- Inserts are easy to place onto and remove from rack; clip onto rack for a secure fit
- Lot traceable—all inserts contain the Fisherbrand part number, tip volume, lot number
- Indented insert holes inhibit tip movement, stabilizing them for multichannel work
- Contact Clip prevents unnecessary contact with the tips while clipping in inserts
- Multichannel design; all inserts are 96-well format
- Robust non-pliable design provides secure seals on every tip

### SureOne Reload Packaging Features

- Product information displayed on box
- Dust Flap prevents debris from contaminating the product
- Finger Knockouts allow easy access to slide out product
- Canyon Cut Package allows for easy tip insert removal
- Reload packaging design saves 58% bench space vs. racked packaging; reduces plastic waste by 52%

Cat. No.	Description	Quantity
02-707-424	Natural; HR, 10 × 96	960/Pk.
02-707-425	Natural; HRS, 10 × 96	960/Pk.

## Fisherbrand™ SureOne™ Tips: Hinged Rack Inserts

- Volume: 0.1-10µL
- Color: Natural
- Size: 1-1/4"
- Rack Inserts: 5 × 96
- Sterile, Pack of 480
- **Compatible with Pipettors:** Biohit Proline™ Electronic; Biozym PreCision™; Eppendorf™ Reference 2000, Reference 2000 Grey, Research 2100; Labpette™ Digital VE-2, VE-10, Digital Multichannel; Nichiryo™ 5000, 5000F Micro, Nichipet EX™; Oxford BenchMate™; Pipetman™ P-2, P-10; Rainin™ R-2, R-10; Socorex™ Calibra 852.

Cat. No.	Description	Quantity
02-707-135	Volume: 0.1-10uL; Sterile; 480/Pk.	480/Pk.

## Fisherbrand™ SureOne Ultra Micropoint Pipet Tip, Universal Fit

- All racked sterile tips are shrink wrapped and certified free of RNase, DNase, ATP, pyrogen, bioburden, PCR inhibitors and endotoxin and DNA
- All nonsterile racked and bulk nonfiltered tips are certified free of RNase, DNase, and DNA



### SureOne Rack Features

- Flush Fit Inserts sit flush with rack, allowing easy multichannel pipetting
- Recycle Logo molded into all rack components
- Notched clasp props lid open for autoclave venting
- Sure Stack lid rim prevents racks from sliding around when stacked and carted around a lab
- Safe-Lock latch allows for one-handed open and closing ability and won't pop open when dropped
- Sure-snap design securely holds insert in place, preventing it from being lifted out while pipetting
- Reversible flip-lid can be either a hinged or lift-off lid; hinged format does not prevent use of a multichannel pipet

### SureOne Insert Features

- Inserts are easy to place onto and remove from rack; clip onto rack for a secure fit
- Lot traceable—all inserts contain the Fisherbrand part number, tip volume, lot number
- Indented insert holes inhibit tip movement, stabilizing them for multichannel work
- Contact Clip prevents unnecessary contact with the tips while clipping in inserts
- Multichannel design; all inserts are 96-well format
- Robust non-pliable design provides secure seals on every tip

### SureOne Reload Packaging Features

- Product information displayed on box
- Dust Flap prevents debris from contaminating the product
- Finger Knockouts allow easy access to slide out product
- Canyon Cut Package allows for easy tip insert removal
- Reload packaging design saves 58% bench space vs. racked packaging; reduces plastic waste by 52%

Cat. No.	Description	Quantity
02-707-137	Hinged rack, 10 × 96, sterile; 1.7 in. (43mm)	960/Pk.
02-681-437	Hinged rack, 10 × 96, sterile; 1.8 in. (45.7mm)	960/Pk.
02-707-136	Hinged rack, 10 × 96; Non-sterile; 1.7 in. (43mm)	960/Pk.

## Plates

### Fisherbrand™ Porcelain Spot Plates

- Material: porcelain
- Plate color: white
- Available with 3 or 12 wells



Cat. No.	Description	Quantity
FB-964-A	With 3 wells; 3.6 × 1.2 in. (92 × 31mm)	Ea.
FB-964-B	With 12 wells; 4.4 × 3.6 in. (112 × 92mm)	Ea.
FB-964-C	With 12 wells; 4.7 × 3.6 in. (118 × 91mm)	Ea.

## Reservoirs

### Fisherbrand™ Disposable Pipette Basins

- Easy-pour corners for quick disposal of excess sample solution
- Gamma-irradiated sterilized basins
- Packaged in easy-to-open bags to reduce contamination risks



Cat. No.	Description	Quantity
<b>Divided</b>		
13-681-505	Individually wrapped; Sterile	50/Cs.
13-681-506	Bulk packaged; Sterile	100/Cs.
13-681-507	Bulk packaged; Non-sterile	100/Cs.
<b>50mL</b>		
13-681-501	Polystyrene; Sterile; Individual bagged	80/Cs.
13-681-502	Polystyrene; Sterile; Bulk Pk.	200/Cs.
13-681-500	PVC; Nonsterile; Bulk Pk.	100/Cs.
<b>100mL</b>		
13-681-504	Polystyrene; Sterile; Bulk Pk.	200/Cs.

## Traps

### Fisher Scientific™ Rotary Evaporator Trap with Drain Holes



Cat. No.	Description	Quantity
K5702052524	250mL, 24/40 bottom inner joint; 24/40 top outer joint; 205mm height	Ea.

## Rulers

### Fisherbrand™ Traceable™ Digital Calipers

- 0.33" (0.84cm) high digital display
- Durable hardened steel
- Resolution: 0.0005" or 0.01mm
- Accuracy: ±0.001" or ±0.03mm



Cat. No.	Description	Quantity
<b>Readings: 0 to 150mm</b>		
14-648-17	Dimensions: 22.8 × 7.62cm; 0.14kg	Ea.
<b>Readings: 0 to 200mm</b>		
06-664-16	Dimensions: 27.94 × 7.62cm; 0.17kg	Ea.



Sample Cups

## Fisherbrand™ Caps for Fisherbrand Multi-Purpose Sample Cups

- Color: Natural

Cat. No.	Description	Quantity
02-544-10	Natural; 1000/ pack	1000/Pk.

Samplers

Liquid Samplers

## Fisherbrand™ HDPE Liquid Samplers

- 500mL bottle screws into the end of handle and is filled via four ports
- Handle is supplied in two pieces
- Reusable
- Handle O.D: 1.25" (3.2cm)



Cat. No.	Description	Quantity
14-243-1	8ft. Liquid Sampler	Ea.

## Fisherbrand™ PTFE Dippers

- Extendable screw-in shafts have a steel core for rigidity
- Fully encapsulated in PTFE



Cat. No.	Description	Quantity
14-243-3A	Capacity: 3.4 oz. (100mL)	Ea.
14-243-3B	Capacity: 8.5 oz. (250mL)	Ea.
14-243-3C	Capacity: 16.9 oz. (500mL)	Ea.
14-243-3D	Capacity: 33.8 oz. (1000mL)	Ea.

## Fisherbrand™ Reusable Polyethylene Dippers

- Lightweight, durable polyethylene
- Graduated beaker features dual pouring spouts for easy left- or right-handed operation
- Handle has an "easy-grip" end for secure handling under adverse conditions



Cat. No.	Description	Quantity
14-242-1	Handle length: 3 ft. (0.9m)	Ea.
14-242-5	Handle length: 6 ft. (3.6m)	Ea.
14-242-10	Handle length: 12 ft. (3.7m)	Ea.

## Fisherbrand™ Reusable Polyethylene Ladles

- Linear polyethylene beaker
- Secured with welded solid handle



Cat. No.	Description	Quantity
<i>Handle length: 9 in. (23cm)</i>		
14-242-20	Capacity: 1.7 oz. (50mL)	Ea.
14-242-25	Capacity: 3.4 oz. (100mL)	Ea.
14-242-30	Capacity: 8.5 oz. (250mL)	Ea.
<i>Handle length: 10 in. (25cm)</i>		
14-242-40	Capacity: 20.3 oz. (600mL)	Ea.
<i>Handle length: 12 in. (30cm)</i>		
14-242-45	Capacity: 33.8 oz. (1000mL)	Ea.

Samplers

## Fisherbrand™ Disposable Sterile Scoops

- Contaminant-free
- Flat-top design ensures accuracy to ±2% of capacity
- Flat bottom keeps scoop upright
- Polystyrene construction



Cat. No.	Description	Quantity
<i>Capacity: 2 oz. (59mL)</i>		
14-375-250	Overall length: 7.5 in. (19cm)	100/Cs.
<i>Capacity: 8 oz. (237mL)</i>		
14-375-252	Overall length: 8 in. (20cm)	100/Cs.

Sharps Collection

## Fisherbrand™ Glass-Disposal Boxes

- Sturdy, corrugated cardboard
- With tough 2mm-thick polyethylene liner
- Identifying graphics with instructions
- Unique integral lid provides added safety



Cat. No.	Description	Quantity
<i>Benchtop model</i>		
12-009-7B	8L x 8W x 10 in. H (20 x 20 x 25cm)	6/Pk.
<i>Intermediate model</i>		
17-988-448	12L x 12W x 20 in. H (30 x 30 x 51cm)	6/Pk.
<i>Floor model</i>		
12 009 7A	12L x 12W x 27 in. H (30 x 30 x 69cm)	6/Pk.

## Fisherbrand™ Sharps-A-Gator™ Point-of-Use Sharps Containers

- For use in patient rooms and all patient-care areas. Opening design impedes hand entry to reduce risk of needle sticks when disposing of sharps
- Clear tops and translucent containers allow you to monitor fill level
- Puncture-resistant, durable polypropylene. Can be autoclaved or incinerated
- Clearly marked with biohazard label



Cat. No.	Description	Quantity
<b>High top</b>		
14-827-120	Clear, translucent body; Capacity: 1.25 gal. (4.73L)	Ea.
14-827-122	Red color; Capacity: 5 qt. (4.5L)	Ea.
<b>Low Top</b>		
14-827-129	Translucent red color; Capacity: 3.5 gal. (13.2L)	Ea.

## Fisherbrand™ Sharps-A-Gator™ Sharps Containers

- General-purpose sharps container with clear locking lid and marked with biohazard label
- Made from puncture-resistant polypropylene that can be autoclaved or incinerated
- Easily mount on walls and carts, nest to conserve storage space



Cat. No.	Description	Quantity
14-827-63	Capacity: 1 gal. (3.8L)	Ea.
22-037-959	Capacity: 2 gal. (7.5L)	Ea.
14-827-104	Capacity: 7 gal. (26.5L)	Ea.
14-827-105	Capacity: 7.5 gal. (28L)	Ea.
14-827-71	Capacity: 10 gal. (38L)	Ea.

### Spatulas - General Purpose

## Fisherbrand™ Chemi-Scraper™ Spatulas

- Type 410 stainless-steel with bright satin finish
- Stem dia.: 0.16" (4mm)
- One rounded and one square end, each approx. 2L x 0.31"W (51 x 7.9mm)



Cat. No.	Description	Quantity
14-373	Length: 7 in. (18cm)	Ea.

## Fisherbrand™ Disposable Sterile Spatula

- Heavy-duty edge and "V" design easily break up packed materials
- One-piece polystyrene construction with extra-long handle



Cat. No.	Description	Quantity
14-375-253	Length: 9 in. (22.9cm)	100/Cs.

## Fisherbrand™ Disposable Sterile Spoons

- Flat-top design ensures measuring accuracy
- Extra-long handle minimizes contamination
- Flat bottom prevents rollover
- Pegged end on handle for easier pickup
- Polystyrene construction



Cat. No.	Description	Quantity
14-375-254	Capacity: 0.25 tsp.; Length: 7 in.	200/Cs.
14-375-256	Capacity: 1 tsp.; Length: 7 in.	200/Cs.
14-375-257	Capacity: 1 Tbs.; Length: 7 in.	200/Cs.

## Fisherbrand™ Handi-Hold™ Microspatula

- Spoon-like stainless-steel blade
- Blade: 0.75L x 0.18" W (19 x 4.8mm)



Cat. No.	Description	Quantity
21-401-15	Length: 5.5 in. (14cm); Pack of 12	12/Pk.

## Fisherbrand™ Handi-Hold™ Spatula

- Polyvinylchloride plastic handle
- Stainless-steel blade



Cat. No.	Description	Quantity
14-366B	Blade length: 4 in. (10cm)	Ea.
14-366D	Blade length: 6 in. (15cm)	Ea.
14-366E	Blade length: 8 in. (20cm)	Ea.

## Fisherbrand™ Hayman Style Microspatula

- Nickel-stainless-steel blade with glazed finish
- Stem dia.: 0.103" (2.6mm)
- Spatula end: 1.25L x 0.125"W (32 x 3.2mm)
- Spoon end: 0.5L x 0.125"W (13 x 3.2mm)



Cat. No.	Description	Quantity
<i>Hayman style microspatula</i>		
21-401-25A	Length: 6.25 in. (16cm)	Ea.

## Fisherbrand™ Hayman Style Microspatulas with V-Shaped Spoon

- Spatula end has slightly rounded bent tip and sharpened end
- Nickel-stainless-steel blade with glazed finish
- Stem dia.: 0.103" (2.6mm)
- Spatula: 1.5L x 0.125"W (38 x 3.2mm)
- V-shaped formed spoon: 0.5L x 0.07"W (13 x 1.6mm)



Cat. No.	Description	Quantity
<i>Hayman style microspatula</i>		
21-401-25B	Length: 6.5 in. (17cm)	Ea.

## Fisherbrand™ Microspatula

- Stainless-steel blade
- One end tapered to 0.125" (3.2mm), one end rounded
- Blades approx.: 2L × 0.31"W (51 × 7.9mm)



Cat. No.	Description	Quantity
<i>Micro spatula</i>		
21-401-10	Length: 8 in. (20cm)	12/Pk.

## Fisherbrand™ Microspatula with Rounded Ends

- Stainless-steel
- Double flat ends
- Blade approx.: 2L × 0.31"W (51 × 7.9mm)



Cat. No.	Description	Quantity
<i>Microspatula</i>		
21-401-5	w/Rounded ends; Length: 8 in. (20cm)	12/Pk.

## Fisherbrand™ Semimicro Spatula with One Tapered End, One Rounded End

- Stainless-steel
- Tip thickness: 0.035" (0.89mm)
- One end tapered to 0.14" (3.5mm) rounded tip for use in conical-bottom tubes
- Rounded end has 0.25" (6.6mm) rounded tip for regular tubes



Cat. No.	Description	Quantity
<i>Semimicro spatula</i>		
14374	Length: 7 in. (18cm)	Ea.

## Fisherbrand™ Spatula with Stainless-Steel Blade

- Non-stick standard blade
- Riveted hardwood handle



Cat. No.	Description	Quantity
14-365A	Blade length: 3 in. (7.6cm)	Ea.
14-365B	Blade length: 4 in. (10.16cm)	Ea.
14-365C	Blade length: 5 in. (12.7cm)	Ea.
14-365D	Blade length: 6 in. (15.24cm)	Ea.
14-365E	Blade length: 8 in. (20.32cm)	Ea.
14-365F	Blade length: 10 in. (25.4cm)	Ea.
14-365G	Blade length: 12 in. (30.48cm)	Ea.

## Fisherbrand™ Spatula/Scraper

- Type 410 stainless-steel
- Stem dia.: 0.20" (5mm)
- Double flat ends: one rounded, one squared
- Each end approx.: 3L × 0.75" W (76 × 20mm)



Cat. No.	Description	Quantity
14-373-25A	Length: 12 in. (31cm)	Ea.
14-373-25B	Length: 18 in. (46cm)	Ea.

## Fisherbrand™ Spoonula™ Lab Spoon

- Polished stainless steel
- Snag-free
- Spoon end: 1.25L × 0.56"W (32 × 14mm)
- Spatula end: 2L × 0.31"W (51 × 7.9mm)



Cat. No.	Description	Quantity
14-375-10	Lab spoon; Length: 9 in.	6/Pk.

## Fisherbrand™ Spoonulet™ Lab Spoon

- Polished stainless steel
- Spoon end: 1.25L × 0.56"W (32 × 14mm)
- Spatula end: 2L × 0.31"W (51 × 7.9mm)



Cat. No.	Description	Quantity
1437520	Lab spoon; Length: 7.25 in.	Ea.

### Specimen Collection

#### 24 Hour Urine Specimen Collection Containers

## Fisherbrand™ 24-Hour Urine Container

- Amber colored for light filtration
- Plastic cap has an extra-thick liner to prevent leakage
- Inert to normal preservatives



Cat. No.	Description	Quantity
14-375-248	3000mL graduation range; 40/cs.	40/Cs.

## Fisherbrand™ SAFE-D-Spense™ 24-Hour Urine Container

- Improved engravings and new cap assure precise measuring and dispensing of urine samples
- Precision-made, fine pour spout allows for transferring small quantities of sample into small containers
- A captive spout cap prevents cross-contamination and cap loss
- Amber color for UV protection
- 3000mL capacity



Cat. No.	Description	Quantity
02-540-32	Amber; 3000mL; Graduated	40/Cs.

### Blood Serum Filters

## Fisherbrand™ Standard Serum Filters

- Standard model is similar to IB™ model, but without the one-way valve
- Use only with glass collection tubes



Cat. No.	Description	Quantity
02-681-50	Length: 4 in. (10cm); O.D.: 0.5 in. (13mm)	100/Pk.

### Blood Specimen Collection Prepping Kits

## Fisherbrand™ Alcohol Prep Pads

- Individually sealed in easy-to-tear-open foil packs
- Sterile
- Ready to use
- With single fold
- Contain 70% isopropyl alcohol

Cat. No.	Description	Quantity
06-669-62	Measures: 2.62L x 118 in. W (67 x 30mm)	4000/Cs.

### Capillary Blood Collection Tubes

## Fisherbrand™ Micro Blood Collecting Tubes

- For Natelson and Caraway techniques
- Color-coded tops distinguish between plain and heparinized tubes
- Heparinized tubes are treated with ammonium heparin
- Natelson tubes have 1.44 to 1.76mm I.D., 147mm length
- Caraway tubes have 2.59 to 2.81mm I.D., 75mm length



Cat. No.	Description	Quantity
<b>Red Tip</b>		
02-668-10	Natelson; Ammonium heparin; 250uL	100/Pk.
<b>Blue Tip</b>		
02-668-15	Natelson; w/o additives; 250uL	100/Pk.

### Microbiological Specimen Collection and Transport Systems

## Fisherbrand™ Swab/Tube Applicators

- Sterile, disposable and compact
- Protect specimens from contamination
- Tested for microbial compatibility



Cat. No.	Description	Quantity
<b>Single swab</b>		
22-363-581	Cotton tip; Screw cap	200/Pk.

## Fisherfinest™ Transport SwabsRea

- Lot number and expiration date printed on tube labels
- Swabs are tipped with inert, nontoxic rayon
- Color-coded caps
- Gamma radiation sterilized



### Modified Liquid Stuarts

- Provide excellent recovery in routine bacteriology and are compatible with gram stain and many rapid screening methods
- Swabs are tipped with inert, nontoxic rayon

### Multicollection and Transport Swabs

- Complete collection and transportation system for viruses, chlamydia, mycoplasma and ureaplasma
- Glass beads provide extra surface area for cell adhesion and facilitate spreading of the specimen in subsequent culturing
- Scored Dacron™ (polyester)-tipped swab breaks off cleanly at the right length inside the tube
- Cap automatically engages swab shaft on closing and holds it tightly on reopening
- Approved for storage at room temperature for up to one year prior to use

### Anaerobic Transport System

- Self-contained, sterile, ready-to-use system
- Includes a glass tube containing a semisolid, prereduced transport medium
- Medium indicator turns lavender if the anaerobic system has been compromised
- Cap contains a pierceable, nonlatex stopper for injecting fluids
- Scored swab breaks easily to fit in the tube

### Hygiene Monitoring Test Kit

- Useful for hard-to-reach places and surfaces, viscous liquids, semisolids and powders
- Includes swab and tube containing a sterile diluent solution

Cat. No.	Description	Quantity
<b>Amies Clear</b>		
14-907-12	Single swab; Blue Cap	50/Pk.
<b>Liquid Stuarts</b>		
14-907-20	Single swab; White cap	50/Pk.
14-907-21	Double swab; Red Cap	50/Pk.

Microhematocrit Tubes

## Fisherbrand™ Microhematocrit Capillary Tubes

- Ends can be sealed by sealing clay or flame
- Manufactured from low-taper, soft glass
- Red band on tube indicates heparinization; blue band indicates nonheparinized tube
- Interior surface of heparinized tubes is evenly coated with ammonium heparin (4 to 7 USP units), which will not interfere with sodium determination
- Taper does not exceed 0.0254mm in 75mm
- Available plain or heparinized with not less than 2 USP units of ammonium heparinate
- Color-coded tube tips and labels
- Packaged in Fisher Scientific™ shaker-top vials for ease in dispensing



Cat. No.	Description	Quantity
<b>Plain</b>		
22-362-574	Blue	200/Pk.
<b>Heparinized</b>		
22-362-566	Red; Tube capillary	200/Pk.

## Fisherbrand™ Plastic Microhematocrit Tubes

- No need to perform correlation studies
- Available untreated and heparinized
- Eliminates the risk of transmission of bloodborne pathogens associated with broken glass tubes
- Better than film-coated glass because the tubes cannot shatter and escape protective wrap
- Unique bore allows user to draw samples quickly
- Plastic material does not interfere with cell packing
- Available treated with sodium heparin for use in “finger sticks” and untreated for use with anticoagulated blood



Cat. No.	Description	Quantity
<b>Heparinized</b>		
22-315-790	75mm; Volume: 40uL	100/Pk.

Stool Specimen Collection

## Fisherbrand™ Commode Specimen Collection System

- Stool need not be handled
- Sturdy frame enables container to fit securely under any toilet seat
- Lid is snapped on, and support frame is easily removed by snapping it down for transportation to lab
- Doubles for female urine output
- Easy-to-read graduations on container
- Directions are printed on container lid in both English and Spanish



Cat. No.	Description	Quantity
02-544-208	Commode specimen collection system	60/Cs.

## Fisher HealthCare™ PROTOCOL™ Parasitology Ancillary Products

### Trichrome Stain

- Rapid staining procedure producing uniformly stained smears of intestinal protozoa, yeast and human cells
- Provides excellent contrast facilitating the detection of intestinal parasites while differentiating organisms from fecal debris and artifacts
- Supplied in a 500mL bottle



### Zinc Sulfite-Polyvinyl Alcohol (Zn-PVA) Bulk

- Mercury-free fixative for protozoan trophozoites in a 500mL bottle

### 50mL Concentrate System

- Complete system for concentrating and recovering helminth eggs, larvae and protozoan cysts from stool specimens
- The concentration system creates a completely closed system that minimizes exposure to infectious agents and fits with any of the PROTOCOL System vials
- Each 50mL Concentrate System Kit contains: 120 Filtering Devices, 120 Conical Centrifuge Tubes, 120 Screw Caps and 30mL Surfactant
- Specimens collected and transported in 10% formalin, SAF or Clean vials may be used with this concentration system

### 15mL Concentrate System

- Complete system for concentrating and recovering helminth eggs, larvae and protozoan cysts from stool specimens
- Each 15mL Concentrate System Kit contains: 50 Filtering Devices, 50 Disposable 15mL centrifuge tubes and caps, Reagent A (Surfactant) and Reagent B (Ethyl Acetate)
- Specimens collected and transported in 10% formalin, SAF or Clean vials may be used with this concentration system

### Ethyl Acetate

- Supplied in a 225mL bottle

Cat. No.	Description	Quantity
23-005-40	Zn-PVA Bulk (500mL)	Ea.

Tourniquets

## Fisherbrand™ Nonlatex Disposable Tourniquet

- Nonlatex to prevent allergic reactions
- Disposable
- Dimensions: 18 × 1" (45.7 × 2.5cm)



Cat. No.	Description	Quantity
22-035-70	Perforated roll	100/Pk.



**Tube Sealers**

## Fisherbrand™ Hemato-Seal™ Capillary Tube Sealant

- Light color provides sharp contrast for easy reading
- Excellent retention during centrifugation



Cat. No.	Description	Quantity
02-678	Hemato-Seal capillary tube sealant	10/Pk.

**Specimen Collection**

## Fisherbrand™ Conical Tubes

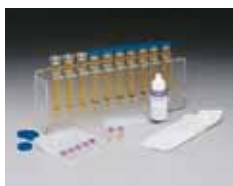
- Capacity: 0.5 oz. (15mL)
- Polystyrene tubes have graduations in 0.1mL increments from 0.1 to 1.0mL and in 0.5mL increments from 1.0 to 15.0mL
- Dimensions: 16.5mm O.D. x 118.0mm L
- Plug caps sold separately



Cat. No.	Description	Quantity
14-961-15	Conical tube; Capacity: 15mL	500/Cs.

## Fisherbrand™ Standard UriSystem™ Tubes

- Disposable crack-resistant, modified polystyrene tubes with reinforced tip for extra strength
- Withstand centrifugal forces to 1750 x g
- Unique sediment-trap tip provides a standardized 0.40mL sample volume
- Specifications: Graduated to 12mL; Capacity 15mL; Diameter 15mm
- Convenient snap-on caps sold separately (14-377-254, 14-377-255, 14-377-256, 14-377-257, 14-377-258)



Cat. No.	Description	Quantity
14-377-252	Std. tubes; Capacity: 15mL; 500/cs.	500/Cs.

## Fisherbrand™ Urinalysis System

- For specimen collection and transport
- Includes plastic cups for specimen collection
- Pressure-sensitive patient identification labels have ample writing space
- Small, lightweight, easy-to-carry transport rack provides space for up to 20 tubes, labels and caps
- Sturdy polystyrene tubes are centrifuge-safe
- Tubes flare at the top to allow use of midjet urinometer and ensure tight cap fit
- All elements are disposable
- Includes 500 specimen collection cups, plastic collection tubes, white polyethylene (plastic) caps, pressure-sensitive labels and five transport racks



Cat. No.	Description	Quantity
14-375-246	Urinalysis system	500/Cs.

## Fisherbrand™ UriSystem™ DeciSlide™ 10-Test Slide

- Acrylic slide with integrated coverslip
- Recessed channels provide for excess specimen spillover
- 0.005" depth-of-field between welded coverslip and slide provides a uniform monolayer and single focal plane viewing



Cat. No.	Description	Quantity
14-377-259	10-test slides; 100/Pk.	100/Pk.

**Specimen Containers**

## Fisherbrand™ 4 oz. Specimen Containers

- Translucent Polypropylene
- Graduated in both oz. and mL
- Tolerate strong acids and bases, and most organic solvents



Cat. No.	Description	Quantity
<b>Sterile</b>		
16-320-730	Blue cap	100/Cs.
<b>Nonsterile</b>		
16-320-731	White cap	500/Cs.

## Fisherbrand™ Collapsible 4-Liter Sample Containers

- Graduated from 500 to 3500mL
- Wide mouth in two diameters for easy sample entry and pouring
- Containers made of durable LDPE with extra-strong seams that virtually eliminate leakage
- Amber tinted to inhibit ultraviolet degradation of the sample
- Inert to most aqueous- and alcohol-based solutions
- Screw-on cap, handle for convenient transporting, and a detachable identification tag
- Designed for, but not limited to, urine collection



Cat. No.	Description	Quantity
14-375-115	O.D.: 38mm	100/Cs.

## Fisherbrand™ Multipurpose Specimen Storage Containers

- Inert to most chemicals including formaldehyde, weak acids and all bases
- Resist freezing and boiling
- Stackable for compact storage
- Autoclavable container; lids not autoclavable



Cat. No.	Description	Quantity
<b>Translucent</b>		
14-955-114A	Short/Wide; 4 oz.	300/Cs.
14-955-114B	Tall/Thin; 5 oz.	300/Cs.
14-955-115A	Short/Wide; 8 oz.	100/Cs.
14-955-116A	Tall/Thin; 8 oz.	100/Cs.
14-955-117A	16 oz.	100/Cs.
14-955-118A	32 oz.	100/Cs.
14-955-119A	64 oz.	50/Cs.
14-955-120A	86 oz.	25/Cs.
14-955-121A	172 oz.	10/Cs.
<b>White</b>		
14-955-115B	Short/Wide; 8 oz.	100/Cs.
14-955-116B	Tall/Thin; 8 oz.	100/Cs.
14-955-117B	16 oz.	100/Cs.
14-955-118B	32 oz.	100/Cs.
14-955-119B	64 oz.	50/Cs.
14-955-120B	86 oz.	25/Cs.
14-955-121B	172 oz.	10/Cs.

## Spill Control

### Spill Control Matting

## Fisherbrand™ Oil-Only Pads and Booms

- Selectively remove hydrocarbons from water
- Utilize up to eight layers of fine fibers for superior wicking
- Spilled liquid adheres to the surface of and in between the numerous, multilayered fine fibers



### Pads

- Use for smaller spills on land or water, for leaks from machinery and containers, and for wiping
- Bonded every 4" (10.2cm)
- Perforated vertically to fit in tight, narrow spaces

### Booms

- Surround and contain spills on water
- Designed with strategically placed hooks to create boom-chains of any length
- Continue to float when fully saturated
- Contained in white fish netting sleeve for greater oil penetration and easy indication when saturation has been reached

Cat. No.	Description	Quantity
<b>Boom</b>		
19-819-425	10 ft.L x 5 in.W (3m x 12.7cm)	4/Pk.
19-819-468	10 ft.L x 8 in. W (3m x 20.3cm)	4/Pk.
<b>Pad</b>		
19039126	Medium weight; 18L x 16 in. W (45.72 x 40.64cm)	100/Cs.

## Spill Kits

## Fisherbrand Caustic Spill Clean-Up Kits

- Handle caustic potash (potassium hydroxide, 45% concentration); caustic soda (sodium hydroxide, 50% concentration); aqueous ammonia (ammonium hydroxide, 28%); and weaker alkali hydroxides
- Color changes from blue to red when caustic has been neutralized
- Instructions are printed inside lid with pictograms for fast, efficient use
- Packaged in a durable, water-resistant case printed with a large "CAUTION SPILL" sign on the outside
- Tamper-evident seal assures integrity
- 19 x 7.5 x 11" (48.3 x 19 x 27.9cm)



Cat. No.	Description	Quantity
18-061C	Capacity: 0.25 gal.	Ea.

## Fisherbrand™ Chemical Spill Cabinet

- Barrier socks contained in Universal Spill Kit are excellent for containment and channeling of liquids and absorb up to 1.5 times their own weight - by molding to any surface, the heavy, dense barrier socks prevent the spread of spilled liquids
- Nonbiodegradable, inert mineral can be used on all liquids. Pads are made of dimpled, multilayered polypropylene for extra strength
- Finished pads are soft, pliable, and absorb up to 25 times their own weight - when saturated, tough pads resist tearing and sticking to floors
- Safety Sorbent particulate is easy to use and leaves no film residue after cleanup - absorbs 1.5 times its own weight
- Particulate provides traction even on wet, oily, or icy surfaces
- After cleanup, surfaces are completely dry
- Supplied in convenient shaker carton, or with Universal Spill Kit in 95-gallon drum, in multi-walled, lined bag
- Certified free of respirable silica
- Socks, pillows, and sorbent exceed EPA landfill requirements and pass paint filter and TCLP tests



Cat. No.	Description	Quantity
19-034-968	Chemical Spill Cabinet	Ea.

## Fisherbrand™ Chemical Spill Mini Spill Kit

- Each case includes six kits
- Total sorbing capacity per case is 1.5 to 2.5 gal. (5.7 to 9.5L)
- Each kit has a sorbing capacity of 0.25 to 0.4 gal. (1.0 to 1.5L)



Cat. No.	Description	Quantity
19-034-159	Mini Spill Kit	6/Cs.

## Fisherbrand™ Combo Spill Combination Clean-Up Kits

### Includes, One each of:

- Acid Spill Clean-up Kit (18-061A)
- Caustic Spill Clean-up Kit (18-061C)
- Flammable-Solvent Spill Clean-up Kit (18-061B)

Cat. No.	Description	Quantity
18-061E	Combo Spill Clean-Up Kit	Ea.

## Fisherbrand™ Flammable-Solvent Clean-Up Kits

- Instructions are printed inside lid with pictograms for fast, efficient use
- Packaged in a durable, water-resistant case printed with a large "CAUTION SPILL" sign on the outside
- Tamper-evident seal assures integrity

Cat. No.	Description	Quantity
18-061B	Capacity: 1 gal.	Ea.

## Fisherbrand™ Spill Clean-Up Kit

- Suitable for use with glacial acetic, hydrochloric, nitric, sulfuric, phosphoric, perchloric, and hydrofluoric acids
- Color changes from red to blue when acid has been neutralized
- Instructions with pictograms are printed inside lid
- Packaged in a durable, water-resistant case printed with a large "ACID SPILL" sign on the outside
- Tamper-evident seal assures integrity
- L x W x H: 19 x 7.5 x 11" (48.3 x 19 x 27.9cm)



Cat. No.	Description	Quantity
18-061A	Acid Spill; Sorbing Capacity: 1/4 gal.	Ea.

## Fisherbrand™ Universal Spill Response Drum Kits

- **6 gal. (22.7L) Drum** contains two universal pads, five 3" x 4' socks, two cartons of sorbent powder, a yellow bag and twist tie, for a total sorbing capacity of approximately 7 gal. (26.5L)
- **20 gal. (75.7L) Drum** contains 50 universal pads, two cartons of sorbent powder, four 3" x 4' socks, two pillows, a pair of gloves and goggles, one bag and twist tie, for a total sorbing capacity of approximately 18 gal. (68.1L)



Cat. No.	Description	Quantity
17-985-128	Drum size: 6 gal. (22.7L)	Ea.
17-206A	Drum size: 20 gal. (75.7L)	Ea.
17-206B	Drum size: 55 gal. (208L)	Ea.

## Fisher Scientific™ Universal Spill Kit

- Universal sorbent eliminates guesswork — safe for use on all chemicals except hydrofluoric acid
- Kit absorbs 2.5 gal. (10L)
- Contains 2.5 lb. (1.1kg) carton of universal sorbent
- Each 4 x 14 x 1" (10.2 x 35.6 x 2.5cm) lab pillow (also available separately) absorbs 0.22 gal. (750mL)



Cat. No.	Description	Quantity
S47441	Universal spill kit	Ea.

**Stirring Bars and Rods**

**Stir Bars - Magnetic**

## Fisherbrand™ Blue Micro Stir Bars

- PTFE covering for these magnetic stir bars is low-friction and inert
- Autoclavable



Cat. No.	Description	Quantity
14-512-150	0.059 in. dia. × 0.315 in. L	Ea.
14512153	0.079 in. dia. × 0.197 in. L	Ea.

## Fisherbrand™ Magnetic Micro Stirring Bars

- Particularly useful in disciplines including life sciences and environmental testing, in which small sample volumes need to be prepared and evaluated
- Covered with PTFE fluoropolymer
- Each bar packaged on blister cards



Cat. No.	Description	Quantity
14-513-64	1.5 D × 8mm L	Ea.
14-513-63	2 dia. × 7mm L	Ea.
14-513-65	3 dia. × 10mm L	Ea.
14-513-98	3 dia. × 12.7mm L	Ea.

## Fisherbrand™ Magnetic Stir Bar Six Packs

- Smooth, seamless, polished finish
- High-strength magnetization
- Micro bars or octagonal bars
- Octagonal bars have pivot rings



Cat. No.	Description	Quantity
<b>Micro bars</b>		
1451364SIX	0.06 dia. × 0.31 in. L	6/Pk.
1451363SIX	0.0937 in. Dia.; 0.25 in. L	6/Pk.
14-513-65SIX	Dia. × L: 0.13 × 0.38 in.	6/Pk.
<b>Octagonal</b>		
14-513-57SIX	0.13 dia. × 0.5 in. L	6/Pk.
14-513-58SIX	5/16 in. dia. × 1/2 in. L	6/Pk.
14-513-59SIX	5/16 in. dia.; 1 in. L	6/Pk.
1451360SIX	0.312 in. dia.; 1.5 in. L	6/Pk.
14-513-61SIX	5/16 in. dia.; 2 in. L	6/Pk.
14-513-51SIX	3/8 in. dia.; 1 in. L	6/Pk.
<b>Octagonal bars</b>		
14-513-66SIX	Dia. × L: 0.38 × 2 in.	6/Pk.

## Fisherbrand™ Magnetic Stirring Bars



Cat. No.	Description	Quantity
<b>Micro</b>		
14-512-133	Color Coded 12 bars	12/Pk.
<b>Octagon shaped</b>		
14-512-129	With pivot ring; 12 bars	12/Pk.
14-512-132	With pivot ring, color coded; 24 bars	24/Pk.
<b>Polygon shaped</b>		
14-512-131	18 bars	18/Pk.
<b>Round shaped</b>		
14-512-130	22 bars	22/Pk.

## Fisherbrand™ Octagonal Magnetic Stir Bar Kit

- Permanent Alnico-V (alloy of Al, Ni, Fe and Co) magnets encased in PTFE fluoropolymer
- With pivot ring (excluding micro bars) to reduce friction and chattering
- The interrupted profile of the octagonal shape creates more turbulence and more surface area than does a smooth cylindrical profile



Cat. No.	Description	Quantity
14-513-82	Includes 12 bars with pivot ring and 4 microbars	16/Pk.

## Fisherbrand™ Octagonal Magnetic Stir Bars

- With pivot rings for reduced friction and chattering
- Alnico-V (Al, Ni, Fe and Co) magnets encased in PTFE fluoropolymer
- Octagonal shape offers more surface area and greater turbulence than does a smooth cylindrical profile
- Individually packed on blister cards



Cat. No.	Description	Quantity
14-513-57	Dia.: 0.12 in.; Length: 0.5 in.	Ea.
14-513-58	Dia. × L: 0.31 × 0.5 in. (0.8 × 1.2cm)	Ea.
14-513-62	Dia. × L: 0.31 × 0.624 in. (1.58 × 0.8cm)	Ea.
14-513-59	Dia. × L: 0.312 × 1 in. (8 × 25mm)	Ea.
14-513-60	Dia.: 0.312 in.; Length: 1.5 in.	Ea.
14-513-61	Dia.: 0.312 in.; Length: 2 in.	Ea.
14-513-51	Dia. × L: 0.37 × 1 in. (0.9 × 2.5cm)	Ea.
14-513-66	Dia. × L: 0.37 × 2 in. (1 × 5cm)	Ea.
14-513-67	Dia. × L: 0.37 × 2.5 in. (1 × 6.3cm)	Ea.
14-513-52	Dia. × L: 0.38 × 1.5 in. (1 × 3.8cm)	Ea.
14-513-56	Dia.: 0.5 in.; Length: 1.5 in.	Ea.
14-513-68	Dia.: 0.5 in.; Length: 3 in.	Ea.

## Fisherbrand™ Polygon Stir Bars

- Smooth polygon bars
- The FDA-grade PTFE of these stirring bars is low-friction, inert and durable
- Alnico magnet (Ni, Ni, Fe and Co)
- Suitable for general stirring applications
- Manufactured in ISO 9001:2008 facility



Cat. No.	Description	Quantity
14-512-124	5 × .3125in (12.7 × 8mm)	Ea.
14-512-125	20 × 8mm (.75 × .3125in)	Ea.
14-512-126	1 × .375in (25.4 × 9.5mm)	Ea.
14-512-127	50 × 8mm (2 × .3125in)	Ea.

## Fisherbrand™ PTFE Disposable Stir Bars

- Disposable for contamination-free stirring in applications involving radioactive reagents or when cross contamination is a concern
- Multifaceted surface creates more turbulence than does a smooth cylinder
- Strong magnets permanently coated with white PTFE



Cat. No.	Description	Quantity
14-513-93	4 dia. × 12mm L	100/Cs.
14-513-83	8 dia. × 51mm L	100/Pk.

## Fisherbrand™ Round Stir Bars with Removable Pivot Ring

- Small removable pivot ring in the center adds to their versatility
- Pivot ring minimizes contact area of bar to vessel
- Ring also reduces friction and the marring of plastic containers



Cat. No.	Description	Quantity
14-512-142	Dia. × L: 0.31 in. × 1.5 in.	Ea.
14-512-136	Dia. × L: 0.5 in. × 3 in.	Ea.
14-512-137	Dia. × L: 0.62 in. × 4 in.	Ea.
14-512-138	Dia. × L: 0.62 in. × 5 in.	Ea.

## Fisherbrand Soft Glass Stirring Rods

- With rounded and fire-polished ends



Cat. No.	Description	Quantity
11-380B	Dia. × L: 0.19 in. × 6 in.	72/Pk.
11-380C	Diameter: 0.18 in. (4.5mm); Length: 8 in. (2.3mm)	72/Pk.
11-380D	Diameter: 0.25 in. (6.3mm); Length: 10 in. (254mm)	72/Pk.

### Stir Bar - Magnetic Retrievers

## Fisherbrand™ Stir Bar Retrievers

- Polypropylene magnetic stir bar retrievers
- Alnico-V magnet sealed in one end
- Handy loop for hanging on the other end
- 0.38" diameter (9.5mm)



Cat. No.	Description	Quantity
14-513-69	Length: 12 in.	Ea.
14-513-70	Length: 18 in.	Ea.

### Stoppers

#### Cork Stoppers

## Fisherbrand™ Cork Stoppers - Superior Grade

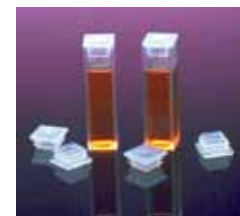


Cat. No.	Description	Quantity
07-791N	Size No.: 12; Top diameter: 1.1 in.; Bottom Diameter: 0.89 in.	100/Pk.

### Stoppers

## Fisherbrand™ Disposable Polyethylene Stoppers

- Protect valuable contents from contaminants



Cat. No.	Description	Quantity
14-385-999	Square; 12.75 × 12.75mm	1000/Cs.

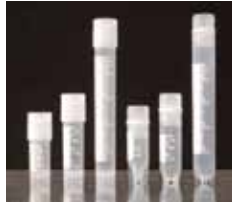


Storage Tubes

Tubes

## Fisherbrand™ Externally and Internally Threaded Cryogenic Storage Vials

- Sterile; not autoclavable
- Noncytotoxic, nonpyrogenic
- Large white writing area
- Graduations in 0.5mL increments
- Use with Fisherbrand Color Coders for easier sample identification



Cat. No.	Description	Quantity
<b>Internally threaded</b>		
12567500	1.2mL; Conical bottom	100/Pk.
12567501	2.0mL; Round-style bottom	100/Pk.
12567502	5.0mL; Round-Style bottom	100/Pk.
<b>Externally threaded</b>		
10-500-25	1.2mL	100/Pk.
10-500-26	2.0mL	100/Pk.
10-500-27	5.0mL	50/Pk.

Swabs and Applicators

## Fisherbrand™ Cotton-Tipped Applicators



Cat. No.	Description	Quantity
<b>Small cotton tip</b>		
23-400-119	Nonsterile; 6 in. wood shaft	1000/Pk.
<b>Cotton tip/Plastic shaft</b>		
23-400-109	Sterile; 1 per envelope	1000/Cs.
23-400-110	Sterile; 2 per envelope	2000/Cs.
23-400-107	Nonsterile	1000/Pk.
<b>Cotton tip/Wood shaft</b>		
23-400-115	Sterile; 6 in. (15cm)	100/Pk.
<b>Cotton tip</b>		
23-400-114	Wood shaft; Sterile; 200/Pk.; 10 Pk./Cs.	200/Pk.
<b>Cotton tip/Wood shaft</b>		
23-400-125	Sterile; 1 per envelope	1000/Cs.
23-400-124	Sterile; 2 per envelope	2000/Cs.
<b>Applicator stick</b>		
23-400-101	Length: 6 in.; Cotton-tipped	1000/Pk.

## Fisherbrand™ Foam-Tipped Swabs



Cat. No.	Description	Quantity
<b>Polypropylene handle</b>		
14-960-3E	Length: 7.145cm	50/Pk.
14-960-3L	Length: 13.137cm	50/Pk.
14-960-3J	Length: 15.240cm	50/Pk.
<b>Foam tip</b>		
14-960-3G	Wooden handle; Length: 14.923cm	50/Pk.
<b>Absorbent foam-over-cotton tip</b>		
14-960-3H	Wooden handle; Length: 15.290cm	50/Pk.

## Fisherbrand™ Plain-Tipped Applicators

- Nonsterile
- Wooden



Cat. No.	Description	Quantity
23 400 102	0.083 dia. x 5.87 in. L	864/Pk.
23-400-112	0.083 dia. x 6 in. L	1000/Pk.
23-400-104	0.083 dia. x 12 in. L	1000/Pk.

## Fisherbrand™ Synthetic-Tipped Applicators

- Sterile or nonsterile
- Sterile are individually wrapped
- Polyester-tipped in wooden or plastic handle



Cat. No.	Description	Quantity
<b>Polyester tip/Plastic shaft</b>		
23-400-122	Sterile; 1 per envelope	100/Pk.
23-400-111	Sterile; 2 per envelope	200/Pk.
<b>Polyester tip</b>		
23-400-116	Sterile	100/Pk.
<b>Polyester tip/Wood shaft</b>		
23-400-113	Nonsterile	1000/Pk.

Tapes and Labels

## Fisherbrand™ 0.75" Colored Label Tapes

- Strong, durable, and oil-, water-, and acid-resistant
- Excellent for color coding
- Withstand temperatures from -23° to +121°C (-10° to +250°F)
- Can be written on with pen, pencil, or permanent marker
- Stick to most surfaces including glass, plastic and metal
- Remove cleanly and easily



Cat. No.	Description	Quantity
<i>14.2 yd. (13m)</i>		
15-901-5G	Blue	4/Pk.
15-901-5J	Copper	4/Pk.
15-901-5C	Green	4/Pk.
15-901-5M	Lime	4/Pk.
15-901-5F	Orange	4/Pk.
15-901-5D	Pink	4/Pk.
15-901-5E	Red	4/Pk.
15-901-5N	Rose	4/Pk.
15-901-5Q	Violet	4/Pk.
15-901-5A	White	4/Pk.
15-901-5B	Yellow	4/Pk.
<i>60 yd. (55m)</i>		
15-901-20G	Blue	4/Pk.
15-901-20C	Green	4/Pk.
15-901-20L	Lavender	4/Pk.
15-901-20F	Orange	4/Pk.
15-901-20D	Pink	4/Pk.
15-901-20E	Red	4/Pk.
15-901-20N	Rose	4/Pk.
15-901-20Q	Violet	4/Pk.
15-901-20A	White	4/Pk.
15-901-20B	Yellow	4/Pk.

## Fisherbrand™ Biohazard Labels

- Hazard communication labels ensure safety and efficiency
- Identify equipment, containers, rooms, materials, experimental animals or combinations of these items that may contain potentially infectious agents
- Easy peel-off labels with pressure-sensitive adhesive



Cat. No.	Description	Quantity
15-927	3L x 2 in. W (7.6 x 5.1 cm)	500/Pk.

## Fisherbrand™ HMIG and NFR Write-On Labels

- **HMIG paper labels** are large enough to include the chemical name, common name and manufacturer's name
- **NFR labels** let you write in the chemical name, owner, date, and hazard rating



Cat. No.	Description	Quantity
18-999-789	National Fire Rating write on labels	1000/Pk.

## Fisherbrand™ Colored Label Tape: 0.5" Wide

- Strong, durable, and oil-, water-, and acid-resistant
- Excellent for color coding
- Withstand temperatures from -23° to +121°C (-10° to +250°F)
- Can be written on with pen, pencil, or permanent marker
- Stick to most surfaces including glass, plastic, and metal
- Remove cleanly and easily



Cat. No.	Description	Quantity
<i>13 x 13mm</i>		
15-901H	Aqua	6/Pk.
15-901G	Blue	6/Pk.
15-901C	Green	6/Pk.
15-901F	Orange	6/Pk.
15-901D	Pink	6/Pk.
15-901E	Red	6/Pk.
15-901A	White	6/Pk.
15-901B	Yellow	6/Pk.
<i>13 x 55mm</i>		
15-901-15H	Aqua	6/Pk.
15-901-15G	Blue	6/Pk.
15-901-15C	Green	6/Pk.
15-901-15M	Lime	6/Pk.
15-901-15F	Orange	6/Pk.
15-901-15E	Red	6/Pk.
15-901-15N	Rose	6/Pk.
15-901-15Q	Violet	6/Pk.
15-901-15A	White	6/Pk.
15-901-15B	Yellow	6/Pk.

## Fisherbrand™ Lab-Lab Adhesive Lab Labels

- Ideal for use in blood banks and hospitals—anywhere that gloves are used
- Permanent adhesive adheres to test tubes and other surfaces
- Labels suited for use in freezers and water baths
- Peel-off labels do not leave residue on tubes or gloves
- Smudge-resistant
- Easy to reposition



Cat. No.	Description	Quantity
15-922	3L x 1.93 in. W (76 x 49mm)	500/Pk.

## Fisherbrand™ Colored Label Tape: Rainbow Pack

- Strong, durable, and oil-, water-, and acid-resistant
- Excellent for color coding
- Withstand temperatures from -23° to +121°C (-10° to +250°F)
- Can be written on with pen, pencil, or permanent marker
- Stick to most surfaces including glass, plastic, and metal
- Remove cleanly and easily



Cat. No.	Description	Quantity
<i>Width: 0.50 in. (13mm)</i>		
15-901R	Rainbow pack of 24 tapes	24/Pk.
<i>Width: 0.75 in. (19mm)</i>		
15-901-5R	Rainbow case of 16 tapes	16/Pk.
<i>Width: 1 in. (25mm)</i>		
15-901-10R	Rainbow pack of 12 tapes	12/Pk.

## Fisherbrand™ 1" Colored Label Tapes

- Strong, durable, and oil-, water-, and acid-resistant
- Excellent for color coding
- Withstand temperatures from -23° to +121°C (-10° to +250°F)
- Can be written on with pen, pencil, or permanent marker
- Stick to most surfaces including glass, plastic, and metal
- Remove cleanly and easily
- **Note:** 14 yd. (13m) rolls have a 1" core; 60 yd. (55m) rolls have a 3" core.



Cat. No.	Description	Quantity
<i>14 yd. (13m)</i>		
15-901-10C	Green	3/Pk.
15-901-10F	Orange	3/Pk.
15-901-10D	Pink	3/Pk.
15-901-10E	Red	3/Pk.
15-901-10A	White	3/Pk.
15-901-10B	Yellow	3/Pk.
<i>60 yd. (55m)</i>		
15-901-25G	Blue	3/Pk.
15-901-25C	Green	3/Pk.
15-901-25F	Orange	3/Pk.
15-901-25D	Pink	3/Pk.
15-901-25E	Red	3/Pk.
15-901-25A	White	3/Pk.
15-901-25B	Yellow	3/Pk.

## Fisherbrand™ Large Biohazard Labels



Cat. No.	Description	Quantity
18-999-936	Size: 3 x 3 in. (7.6 x 7.6cm)	320/Pk.

### Tapes and Labels

## Fisherbrand™ Autoclave Indicator Tape

- White stripes turn dark during steam sterilization to indicate processing
- Universal adhesive provides secure bonding with fabric and nonwoven wraps, paper, metal and glass
- Removes easily without any traces of residue
- Can be marked with permanent ink pen after sterilization without any bleeding



Cat. No.	Description	Quantity
11-889-11	0.75 in. x 60 yd.(1.9cm x 55.5m); 48/Cs.	Ea.

## Fisherbrand™ White Autoclave Tapes

- Excellent adhesive backing sticks securely
- Removes easily without leaving residue
- White steam-sensitive stripes turn black when passed through a steam sterilization cycle



Cat. No.	Description	Quantity
15-903	Size: 60 yd. L x 0.50 in. W (55m x 1.2cm)	Ea.
15-904	L x W: 60 yd. x 0.75 in. (55m x 1.9cm)	Ea.
15905	Size: 60 yd. L x 1 in. W (55m x 2.5cm)	Ea.

### Tube Closures

#### Blood Collection Tube Caps

## Fisherbrand™ Color-Coded TainerTop™ Safety Closures

- Polyethylene
- Information can be written directly on cap with indelible ink
- Ensure integrity of serum samples after freezing or en route to reference labs
- Don't require precutting
- Won't pop or crack when frozen
- Provide liquid-tight seal—will not aerosol when opened
- Hold fast under most rigorous procedures including agitation, centrifugation, refrigeration, and freezing
- Flexible closures are not autoclavable



Cat. No.	Description	Quantity
<i>For 12mm Culture Tubes and 13mm Blood Collection Tubes</i>		
14-376-80	Color: Yellow	1000/Pk.
14-376-74	Color: White	1000/Pk.
<i>For 13mm Culture Tubes</i>		
14-376-70	Color: Red	1000/Pk.

## Fisherbrand™ Sav-It™ Tube Closures

- One-hand application
- Can be punctured for through-cap sampling via closed-tube instrumentation systems
- Won't interfere with most common chemistry, coagulation, and drug monitoring methodologies
- Fit test tubes, centrifuge tubes, specialty tubes, and evacuated blood drawing tubes
- Direct through-cap sampling via closed-tube instrumentation systems
- Won't crack or fall off
- Hold fast under most rigorous procedures including agitation, centrifugation, refrigeration, and freezing



Cat. No.	Description	Quantity
<i>12 or 13mm Closures</i>		
02-707-9	Red	1000/Pk.
<i>16mm Closures</i>		
02-707-8	White	1000/Pk.

## Fisherbrand™ VersaClosure™ Tube Closures

- Firm, positive seal by sealing either inside the tube or over the tube rim
- One-size design seals most 16, 13, 12 and 10mm blood collection, glass and plastic test tubes
- No need to purchase size-specific closures
- Help with laboratory standardization and managed cost initiatives
- One-hand technique, seal under various temperature/storage conditions, help preserve sample integrity and minimize evaporation loss



Cat. No.	Description	Quantity
02-707-17	Clear	1000/Pk.
02-707-20	Green	1000/Pk.
02-707-18	Red	1000/Pk.
02-707-23	Yellow	1000/Pk.

### Microtube Caps

## Fisherbrand™ Flat and Domed 8-Cap Strips

- Eight caps per strip
- Cleanroom produced
- Virgin polypropylene
- Flat caps offer large, labeled end tabs for easy removal and strip orientation



Cat. No.	Description	Quantity
14-230-231	Domed Cap Strips	250/Cs.
14-230-230	Flat Cap Strips	250/Cs.

### Tube Screw Caps

## Fisherbrand™ Colored Screw Caps

- Feature a frosted writing surface
- Can be pierced for sample removal

Cat. No.	Description	Quantity
02-681-368	With O-Ring; Color: Mixed	500/Pk.

## Fisherbrand™ Screw Caps for Disposable Glass Tubes

- Autoclavable
- Polypropylene cap is linerless



Cat. No.	Description	Quantity
14-957-82A	Phenolic; 13mm-415	1000/Cs.
14-959-36A	Phenolic; 15mm-415	1000/Cs.
14-957-82E	Phenolic; 18mm-415	1000/Cs.

Tube Snap Caps

### Fisherbrand™ Printed Disposable Culture Tube Caps

- Caps snap tight to prevent sample loss
- Blue polyethylene
- Sterile
- 500/bag (2,000/case)



Cat. No.	Description	Quantity
14-956-9G	Bag of 500; 2,000/Cs.	2000/Cs.

### Fisherbrand™ Snap Caps for Nonsterile Plastic Tubes

12mm cap fits tubes:

- 14-961-10
- 14-961-10A
- 14-961-11
- 14-961-13
- 14-959-16
- 14-959-16A



17mm caps fits tubes:

- 14-956-7E
- 14-956-8J

Cat. No.	Description	Quantity
14-961-12	Material: Polyethylene; 12mm	1000/Pk.

Tubes

Cell Culture Tubes - Glass

### Fisherbrand™ Disposable Borosilicate Glass Tubes with Plain End

- Ideal for tissue culture and clinical chemistry
- Packaged in shrink-wrapped trays of 250 or 125 to prevent contamination or breakage; 10 and 12mm O.D. sizes are suitable for cell washing procedures



Cat. No.	Description	Quantity
14-961-25	O.D. × L: 10 × 75mm	1000/Cs.
14-961-26	O.D. × L: 12 × 75mm	1000/Cs.
14-961-27	O.D. × L: 13 × 100mm	1000/Cs.
14-961-28	O.D. × L: 15 × 85mm	1000/Cs.
14-961-29	O.D. × L: 16 × 100mm	1000/Cs.
14-961-30	O.D. × L: 16 × 125mm	1000/Cs.
14-961-31	O.D. × L: 16 × 150mm	1000/Cs.
14-961-32	O.D. × L: 18 × 150mm	500/Cs.
14-961-33	O.D. × L: 20 × 150mm	500/Cs.
14-961-34	O.D. × L: 25 × 150mm	500/Cs.

Cell Culture Tubes - Plastic

### Fisherbrand™ Culture Tubes

- Volume: 16mL
- Sterile

Cat. No.	Description	Quantity
05-540-6	O.D. × L: 17 × 100mm; Volume: 16mL; Sterile	500/Pk.

Centrifuge Tubes - Plastic

### Fisherbrand™ 15mL Graduated Polystyrene Centrifuge Tubes

- With conical bottom
- Nonsterile polystyrene
- Features molded-in graduations in 0.1mL increments up to 1mL and in 0.5mL subdivisions between 1 and 15mL



Cat. No.	Description	Quantity
05-527-45	O.D. × L: 0.7 × 4.7 in. (17.5 × 119.5mm)	1000/Cs.

### Fisherbrand™ 50mL Graduated Polypropylene Centrifuge Tube

- Freestanding with conical bottom
- Made from durable polypropylene for excellent chemical resistance
- Features molded graduations in 2.5mL increments up to 10mL, and 5mL increments from 10 to 50mL
- Sterile
- Supplied with blue plastic plug-seal caps



Cat. No.	Description	Quantity
14-375-150	O.D. × L: 29.5 × 113.8mm	500/Cs.



## Fisherbrand™ Easy Reader™ Plastic Centrifuge Tubes

- Nonpyrogenic
- Conical bottoms
- Large labeling area
- Choice of closures
- Sterile and nonsterile styles
- 15mL Tubes are graduated in 0.5mL subdivisions from 2 to 14.5mL
- 50mL Tubes are graduated in 5mL increments from 5 to 50mL
- Made of durable, chemical resistant, clear polypropylene
- With black graduations and white marking area



Cat. No.	Description	Quantity
<b>15mL</b>		
05-539-1	PET; Plug seal closure; Sterile; In rack	500/Cs.
<b>50mL</b>		
05-539-10	PET; Plug seal closure; Sterile; In rack	500/Cs.
<b>15mL</b>		
05-539-12	PP; Flat top closure; Sterile; In rack	500/Cs.
05-539-5	PP; Plug seal closure; Sterile; In rack	500/Cs.
05-539-4	PP; Plug seal closure; Sterile; In sleeve	500/Cs.
<b>50mL</b>		
05-539-8	PP; Flat top closure; Sterile; In rack	500/Cs.
05-539-13	PP; Flat top closure; Sterile; In sleeve	500/Cs.
05-539-6	PP; Plug seal closure; Sterile; In rack	500/Cs.
05-539-7	PP; Plug seal closure; Sterile; In sleeve	500/Cs.
055399	PP; Plug seal closure; Non-sterile; In sleeve	500/Cs.

## Fisherbrand™ Free-Standing Microcentrifuge Tubes with Screw Caps

- Withstand a maximum force of 20,000 × G
- Free-standing with cap
- Large size is graduated
- Natural color



Cat. No.	Description	Quantity
02-682-557	Capacity: 1.5mL	500/Pk.
02-682-558	Capacity: 2.0mL	500/Pk.

## Fisherbrand™ Higher-Speed Easy Reader™ Plastic Centrifuge Tubes

### Key Features

- Made of durable, chemical-resistant, clear polypropylene
- With black graduations and white marking area
- With conical bottoms
- Black printed graduations are marked in 5mL increments from 5 to 50mL; a large white marking area makes labeling samples easy
- Tubes are sterilized by gamma radiation
- Nonpyrogenic



### Two Cap Styles

- Both styles offer secure, leak-resistant seals
- Blue plug-seal closure features double-start thread design for an exceptionally tight seal
- Flat-top caps offer faster handling and allow you to label the top of the tube

Cat. No.	Description	Quantity
<b>Flat top closure</b>		
06-443-18	In rack	500/Cs.
06-443-19	In sleeve	500/Cs.
<b>Plug seal closure</b>		
06-443-20	In rack	500/Cs.
06-443-21	In sleeve	500/Cs.

## Fisherbrand™ Locking-Lid Microcentrifuge Tubes with Polypropylene Snap-Cap™

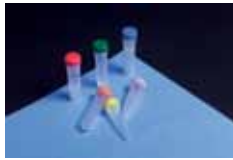
- Polypropylene tubes with flat tops
- Ideal for sample-handling applications, including centrifugation, boiling and freezing of specimens, incubation and storage
- With graduation marks for volume estimation
- RNase and DNase free



Cat. No.	Description	Quantity
<b>Capacity: 0.6mL</b>		
02-681-275	Max. RCF 30,000 × G; Blue	1000/Pk.
02-681-276	Max. RCF 30,000 × G; Green	1000/Pk.
02-681-273	Max. RCF 30,000 × G; Natural	1000/Pk.
02-681-278	Max. RCF 30,000 × G; Orange	1000/Pk.
02-681-279	Max. RCF: 30,000 × G; Violet	1000/Pk.
02-681-277	Max. RCF 30,000 × G; Yellow	1000/Pk.
<b>Capacity: 1.5mL</b>		
02-681-282	Max. RCF 26,000 × G; Blue	500/Pk.
02-681-283	Max. RCF 26,000 × G; Green	500/Pk.
02-681-301	Max. RCF 26,000 × G; Natural; Single wrapped	250/Pk.
02-681-284	Max. RCF: 26,000 × G; Natural	500/Pk.
02-681-287	Max. RCF 26,000 × G; Orange	500/Pk.
02-681-286	Max. RCF 26,000 × G; Red	500/Pk.
02-681-288	Max. RCF 26,000 × G; Violet	500/Pk.
02-681-285	Max. RCF 26,000 × G; Yellow	500/Pk.
<b>Capacity: 2.0mL</b>		
02-681-294	Max. RCF 25,000 × G; Green; Pack of 500	500/Pk.
02-681-302	Max. RCF 25,000 × G; Natural; Single wrapped	250/Pk.
02-681-291	Max. RCF 25,000 × G; Natural; Pack of 500	500/Pk.
02-681-296	Max. RCF 25,000 × G; Orange; Pack of 500	500/Pk.
02-681-297	Max. RCF: 25,000 × G; Violet; Pack of 500	500/Pk.
02-681-295	Max. RCF 25,000 × G; Yellow; Pack of 500	500/Pk.

## Fisherbrand™ Nonsterile Microcentrifuge Tubes with Threaded End

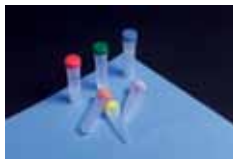
- Threaded to accept colored screw caps (sold separately)
- Siliconized/low-retention conical-bottom tubes also available



Cat. No.	Description	Quantity
<i>Skirted-bottom</i>		
02-681-343	Max. Force: 18,000 × G; Capacity: 2mL; Color: Natural	500/Pk.

## Fisherbrand™ Sterile Microcentrifuge Tubes with Screw Caps

- With Unattached caps
- Natural-colored screw caps with O-rings



Cat. No.	Description	Quantity
<i>Capacity: 1.5mL</i>		
02-681-373	Conical bottom; Max. RCF: 30,000 × G	500/Pk.
<i>Capacity: 2.0mL</i>		
02-681-375	Conical bottom; Max. RCF: 25,000 × G	500/Pk.
02-681-374	Skirted bottom; Max. RCF: 18,000 × G	500/Pk.

### Hybridization Tubes or Bottles

## FisherBiotech™ Hybridization Tubes

- Thick-walled borosilicate glass
- Includes polypropylene cap
- O-ring is available for 35mm tubes (sold separately, Cat. No. 13-247-RNG)

Cat. No.	Description	Quantity
13-247-150	35mm ID × 150mmL	2/Pk.

### Micro Tubes

## Fisherbrand™ Polystyrene Microcentrifuge Tube

- 1mL capacity
- O.D. × L: 3.7 × 55mm
- Disposable polystyrene tube
- Conical and transparent
- Plug-type cap prevents evaporation and contamination, minimizes electrolyte disturbances caused by gas loss during centrifugation



Cat. No.	Description	Quantity
04-978-145	Capacity: 1mL	500/Pk.

## Fisherbrand™ Premium Microcentrifuge Tubes

- Choose from 0.5, 1.5, or 2.0mL tubes
- Made of high-clarity polypropylene
- Withstand forces up to 30,000 × g
- Easy-open caps with needle insertion spot and textured marking area
- Labeling area on tube exterior
- Graduated: for 0.5mL tubes, 0.1mL markings; 1.5mL tubes, 0.1 and 0.25mL; 2.0mL tubes, 0.25mL Highly polished interior for maximum sample recovery
- Temperature range of -80° to +121°C
- Fit all standard rotors
- Nonpyrogenic
- Autoclavable at 121°C/15psi for 15 minutes



Cat. No.	Description	Quantity
<i>Amber</i>		
05-408-125	0.5mL; O.D. × L: 7.5 × 30.5mm	500/Pk.
05-408-134	1.5mL; O.D. × L: 10.8 × 40.6mm	500/Pk.
<i>Blue</i>		
05-408-132	1.5mL; O.D. × L: 10.8 × 40.6mm	500/Pk.
<i>Green</i>		
05-408-133	1.5mL; O.D. × L: 10.8 × 40.6mm	500/Pk.
05-408-142	2.0mL; O.D. × L: 11 × 40.6mm	500/Pk.
<i>Yellow</i>		
05-408-131	1.5mL; O.D. × L: 10.8 × 40.6mm	500/Pk.
<i>Natural</i>		
05-408-120	0.5mL; O.D. × L: 7.5 × 30.5mm	500/Pk.
05-408-129	1.5mL; O.D. × L: 10.8 × 40.6mm	500/Pk.
05-408-138	2.0mL; O.D. × L: 11 × 40.6mm	500/Pk.
<i>Assorted colors</i>		
05-408-137	1.5mL; O.D. × L: 10.8 × 40.6mm	500/Pk.

## Fisherbrand™ Siliconized Low-Retention Microcentrifuge Tubes

- Manufactured from durable chemical-resistant polypropylene
- Fully graduated with a frosted writing area for easy marking
- 0.6mL tube is graduated in 0.2mL increments; 1.5mL tube, in 0.5mL increments with an additional graduation at 0.1 and 2.0mL size, in 0.5mL increments
- Designed for use in critical applications where minute sample recovery is important
- Withstand speeds up to 30,000 × G
- Recommended for freezer-to-centrifuge use
- Autoclavable up to 120°C and withstand freezing temperatures as low as -80°C



Cat. No.	Description	Quantity
<i>Volume: 1.5mL</i>		
02-681-331	O.D. × L: 13 × 40mm; Sterile; Single-wrapped	250/Pk.
<i>Volume: 0.6mL</i>		
02-681-311	O.D. × L: 10 × 30mm; Nonsterile; Bulk	500/Pk.
<i>Volume: 1.5mL</i>		
02-681-320	O.D. × L: 13 × 40mm; Nonsterile; Bulk	250/Pk.
<i>Volume: 2.0mL</i>		
02-681-321	O.D. × L: 13 × 40mm; Nonsterile; Bulk	250/Pk.

## Fisherbrand™ Snap-Cap™ Flat-Top Graduated Microcentrifuge Tubes

- Polypropylene
- Graduated
- In different colors



Cat. No.	Description	Quantity
<b>Sterile</b>		
02-681-268	0.6mL; Natural; Individually wrapped	1000/Pk.
02-681-5	1.5mL; Natural; Individually wrapped	250/Pk.
02-681-271	2.0mL; Natural; Individually wrapped	250/Pk.
<b>Nonsterile</b>		
02-681-255	0.6mL; Amber; 1000/Pk.	1000/Pk.
02-681-256	0.6mL; Assorted; 1000/Pk.	1000/Pk.
02-681-250	0.6mL; Blue; 1000/Pk.	1000/Pk.
02-681-251	0.6mL; Green; 1000/Pk.	1000/Pk.
02-681-257	0.6mL; Natural	1000/Pk.
02-681-253	0.6mL; Orange; 1000/Pk.	1000/Pk.
02-681-249	0.6mL; Red; 1000/Pk.	1000/Pk.
02-681-254	0.6mL; Violet; 1000/Pk.	1000/Pk.
02-681-252	0.6mL; Yellow; 1000/Pk.	1000/Pk.
02-682-550	1.5mL; Natural; 500/Pk.	500/Pk.
02-681-265	2.0mL; Amber; 500/Pk.	500/Pk.
02-681-266	2.0mL; Assorted; 500/Pk.	500/Pk.
02-681-261	2.0mL; Blue; 500/Pk.	500/Pk.
02-681-262	2.0mL; Green; 500/Pk.	500/Pk.
02-681-258	2.0mL; Natural; 500/Pk.	500/Pk.
02-681-259	2.0mL; Red; 500/Pk.	500/Pk.
02-681-264	2.0mL; Violet; 500/Pk.	500/Pk.
02-681-260	2.0mL; Yellow; 500/Pk.	500/Pk.

## Fisherbrand™ Snap-Cap™ Microcentrifuge Tubes: Flat Top

- Packed in bulk Nonsterile



Cat. No.	Description	Quantity
<b>Capacity: 0.6mL</b>		
02-681-248	Assorted	1000/Pk.
<b>Capacity: 1.5mL</b>		
02-681-10	Assorted	500/Pk.
02-681-272	Natural	500/Pk.

## Fisherbrand™ Snap-Cap™ Microcentrifuge Tubes: Standard

- Packed in bulk Color: Natural



Cat. No.	Description	Quantity
<b>Polyethylene</b>		
02-681-229	Natural; 0.4mL	1000/Pk.

### PCR Tubes

## Fisherbrand™ 0.2mL Flat- and Domed-Cap PCR Tubes

- Suitable for 0.2mL thermal cycler blocks
- 0.25mL maximum volume when closed
- Thin-wall design
- Cleanroom produced
- Virgin polypropylene



Cat. No.	Description	Quantity
<b>Domed cap</b>		
14-230-205	Natural	1000/Cs.
<b>Flat cap</b>		
14230225	Natural	1000/Cs.

## Fisherbrand™ 0.2mL PCR Tube Strips

- 0.25mL maximum tube volume when capped
- Strips of eight tubes
- Can be cut into individual tubes
- Thin-wall design
- Cleanroom produced
- Virgin polypropylene
- Available with flat cap strips, domed cap strips, or without cap strips



Cat. No.	Description	Quantity
<b>Flat cap strips</b>		
14230215	Natural	250/Cs.
<b>Without cap strips</b>		
14-230-220	Natural	250/Cs.

## Fisherbrand™ 0.5mL Flat-Cap PCR Tubes

- Suitable for 0.5mL thermal cycler blocks
- 0.6mL maximum volume when closed
- Thin-wall design
- Cleanroom produced
- Virgin polypropylene



Cat. No.	Description	Quantity
14-230-202	Blue	1000/Cs.
14-230-203	Green	1000/Cs.
14-230-200	Natural	1000/Cs.
14-230-201	Red	1000/Cs.
14-230-204	Yellow	1000/Cs.

Test Tubes - Disposable Glass

## Fisherbrand™ Disposable Borosilicate Glass Tubes with Polypropylene Screw Cap

- With natural linerless polypropylene screw cap and marking spot



Cat. No.	Description	Quantity
<i>O.D. x L: 13 x 100mm</i>		
14-962-26D	No. Per Tray: 500	1000/Cs.
<i>O.D. x L: 16 x 100mm</i>		
14-962-26F	No. Per Tray: 250	1000/Cs.
<i>O.D. x L: 16 x 125mm</i>		
14-962-26G	No. Per Tray: 250	1000/Cs.
<i>O.D. x L: 16 x 150mm</i>		
14-962-26H	No. Per Tray: 250	1000/Cs.
<i>O.D. x L: 20 x 125mm</i>		
14-962-26K	No. Per Tray: 250	500/Cs.
<i>O.D. x L: 20 x 150mm</i>		
14-962-26M	No. Per Tray: 250;	500/Cs.

## Fisherbrand™ Disposable Borosilicate Glass Tubes with Threaded End

- 13 O.D. x 100mm long tubes supplied in shrink-wrapped shelf trays of 500; all other sizes come in trays of 250, without cap order separately



Cat. No.	Description	Quantity
<i>With marking spot</i>		
14-959-35C	O.D. x L: 13 x 100mm	1000/Cs.
14-959-35AA	O.D. x L: 16 x 100mm	1000/Cs.
14-959-35A	O.D. x L: 16 x 125mm	1000/Cs.
14-959-35B	O.D. x L: 16 x 150mm	1000/Cs.
14-959-37A	O.D. x L: 20 x 125mm	500/Cs.
<i>Without marking spot</i>		
14-957-76A	O.D. x L: 13 x 100mm	1000/Cs.
14-957-76E	O.D. x L: 20 x 150mm	500/Cs.

## Fisherbrand™ Disposable Flint Glass Tubes with Plain End

- Round bottom
- Smooth top and bottom prevent cuts



Cat. No.	Description	Quantity
14-958A	O.D. x L: 6 x 50mm; 500/tray	1000/Cs.
14-958B	O.D. x L: 10 x 75mm; 250/tray	1000/Cs.
14-958C	O.D. x L: 12 x 75mm; 250/tray	1000/Cs.
14-958D	O.D. x L: 13 x 100mm; 250/tray	1000/Cs.
14-958E	O.D. x L: 15 x 85mm; 250/tray	1000/Cs.
14-958F	O.D. x L: 16 x 100mm; 250/tray	1000/Cs.
14-958G	O.D. x L: 16 x 125mm; 250/tray	1000/Cs.
14-958H	O.D. x L: 16 x 150mm; 250/tray	1000/Cs.
14-958J	O.D. x L: 18 x 150mm; 125/tray	500/Cs.
14-958K	O.D. x L: 20 x 150mm; 250/tray	500/Cs.

## Fisherbrand™ Disposable Heavy-Wall Borosilicate Glass Tubes

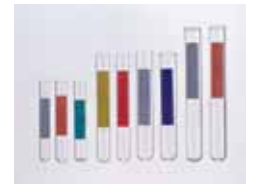
- Plain end
- Round bottom



Cat. No.	Description	Quantity
14-958-10A	O.D. x L: 10 x 75mm	1000/Cs.
14-958-10B	O.D. x L: 12 x 75mm	1000/Cs.
14-958-10C	O.D. x L: 13 x 100mm	1000/Cs.

## Fisherbrand™ Disposable Plain-End Glass Tubes with Color-Coded Label Area

- Fused-in, textured, color patches accept any type of ink or pencil
- Expose to heat, steam, hours in a water bath, without affecting label Marking area is large enough for all necessary information—1.37" (for 10 and 12mm O.D. tubes) or 2" (for 13 and 16mm O.D. tubes) long labeling area in five pastel colors
- Flint or borosilicate glass Round bottom



Cat. No.	Description	Quantity
14-957-10E	Flint Glass; Label Area: Blue; O.D. x L: 10 x 75mm	1000/Cs.
14-957-10B	Flint Glass; ; Label Color: Yellow; O.D. x L: 10 x 75mm	1000/Cs.
14-957-10A	Flint Glass; Label Color: White; O.D. x L: 10 x 75mm	1000/Cs.

Test Tubes - Disposable Plastic

## Fisherbrand™ Nonsterile Plastic Culture Tubes

- Round bottom
- Special molding avoids leaks and cracks
- 12 O.D. × 75mm long tube has 5mL capacity and heavier wall than competitive tubes
- Slight lip at top provides seal when used with Cat. No. 14-961-12 Snap Cap (sold separately)



Cat. No.	Description	Quantity
<b>Clear polystyrene</b>		
14-961-20	O.D. × L: 12 × 75mm; With snap cap	1000/Cs.
<b>Polystyrene</b>		
14-961-10A	O.D. × L: 12 × 75mm; Without cap	1000/Cs.
<b>Clear polystyrene</b>		
14-961-10	O.D. × L: 12 × 75mm; Without cap	1000/Pk.
14-956-8E	O.D. × L: 13 × 100mm; Cap supplied: none	1000/Cs.
14-956-8G	O.D. × L: 16 × 125mm; Cap supplied: none	1000/Cs.
14-956-8J	O.D. × L: 17 × 100mm; Cap supplied: none	1000/Cs.
<b>Translucent polypropylene</b>		
14-959-10AA	O.D. × L: 12 × 75mm; With snap cap	1000/Cs.
14-959-16A	O.D. × L: 12 × 75mm; Without cap	1000/Cs.
14-959-16	O.D. × L: 12 × 75mm; Cap supplied: none; Heavy wall	1000/Pk.
14-956-7A	O.D. × L: 13 × 100mm; Cap supplied: none	1000/Cs.
14-956-7C	O.D. × L: 16 × 125mm; Without cap	1000/Cs.
14-956-7E	O.D. × L: 17 × 100mm; Cap supplied: none	1000/Cs.

## Fisherbrand™ Printed Disposable Culture Tubes

- Gamma-irradiated and tested for sterility
- Printed graduations
- White writing area
- Round-bottom tubes made of polypropylene
- Blue snap cap made of polyethylene
- Snap caps can be positioned for aerobic or anaerobic applications
- 14mL volume



Cat. No.	Description	Quantity
14-956-9B	Individually wrapped; 500/Cs.	500/Cs.
14-956-9C	Tray of 25; 500/Cs.	500/Cs.
14-956-9A	Tray of 125; 1,000/Cs.	1000/Cs.

## Fisherbrand™ Sterile Plastic Culture Tubes

- Gamma-irradiated and tested for sterility; ready to use
- No chance of residual contamination
- All screw-cap tubes have outside threads and unconstricted necks, making filling and pipetting easier
- All snap caps can be positioned for aerobic or anaerobic applications



Cat. No.	Description	Quantity
<b>Clear polystyrene</b>		
14-956-3C	With snap cap; O.D. × L: 12 × 75mm; Bag of 25	500/Cs.
14-956-3D	With snap cap; O.D. × L: 12 × 75mm; 125/bag	1000/Cs.
14-956-4A	With screw cap; O.D. × L: 13 × 100mm; Blister pack of 125	1000/Cs.
14-956-5B	With screw cap; O.D. × L: 16 × 125mm; Bag of 125	1000/Cs.
14-956-5A	With snap cap; O.D. × L: 16 × 125mm; Individually wrapped	500/Cs.
14-956-5C	With screw cap; O.D. × L: 16 × 150mm; Individually wrapped	500/Cs.
14-956-6A	With snap cap; O.D. × L: 17 × 100mm; Individually wrapped	500/Cs.
14-956-6D	With snap cap; O.D. × L: 17 × 100mm; Blister pack of 125	500/Cs.
14-956-6B	With snap cap; O.D. × L: 17 × 100mm; Bag of 125	1000/Cs.
14-956-6C	Without cap; O.D. × L: 17 × 100mm; Blister pack of 125	1000/Cs.
14-956-3A	Without snap cap; O.D. × L: 12 × 75mm; Bag of 125	125/Pk.
<b>Translucent polypropylene</b>		
14-956-1C	Individual wrap; With cap; O.D. × L: 12 × 75mm; Bag of 125	500/Cs.
14-956-1D	With snap cap; O.D. × L: 12 × 75mm; Bag of 25	500/Cs.
14-956-1B	Without cap; O.D. × L: 12 × 75mm; Blister pack of 125	1000/Cs.
14-956-1H	With snap cap; O.D. × L: 17 × 100mm; Individually wrapped	500/Cs.
14-956-1J	With snap cap; O.D. × L: 17 × 100mm; 500/Cs.	500/Cs.
14-956-1G	Without caps; O.D. × L: 17 × 100mm; Bag of 125	1000/Cs.

Test Tubes - Reusable Glass

## Fisherbrand™ Reusable Glass Tubes with Phenolic Screw Caps

- High-quality borosilicate glass
- Marking spot



Cat. No.	Description	Quantity
14-959-25A	O.D. × L: 13 × 100mm	1000/Cs.
14-959-25B	O.D. × L: 16 × 100mm	1000/Cs.
14-959-25C	O.D. × L: 16 × 125mm	1000/Cs.
14-959-25D	O.D. × L: 16 × 150mm	1000/Cs.
14-959-25E	O.D. × L: 20 × 125mm	500/Cs.
14-959-25F	O.D. × L: 20 × 150mm	500/Cs.



**Tubing - Rubber**

## Fisherbrand™ Pressure and Vacuum Rubber Tubing

- Red or black rubber tubing
- Thick wall

Cat. No.	Description	Quantity
<b>Black tubing on reel of 50ft. (15.2m)</b>		
14-150-2J	6.4 I.D. × 15.9mm O.D.	Ea.
14-150-2K	7.9 I.D. × 17.5mm O.D.	Ea.
14-150-2L	9.5 I.D. × 22.2mm O.D.	Ea.
<b>Black tubing in 12ft. (3.7m) Lengths</b>		
14-175B	4.8 I.D. × 14.3mm O.D.	Ea.
14-175C	6.4 I.D. × 15.9mm O.D.	Ea.
14-175D	7.9 I.D. × 17.5mm O.D.	Ea.
14-175E	9.5 I.D. × 22.2mm O.D.	Ea.
14-175F	12.7 I.D. × 25.4mm O.D.	Ea.
14-175G	15.9 I.D. × 34.9mm O.D.	Ea.
<b>Red tubing in 12ft. (3.7m) Lengths</b>		
14173C	6.4 I.D. × 15.9mm O.D.	Ea.
14-173D	9.5 I.D. × 25.4mm O.D.	Ea.

**Tubing Connectors**

## Fisherbrand™ All-Metal Quick-Disconnects

- Chrome-plated brass hookups Compatible with most tubing
- Operates at temperatures to 82°C (180°F), pressures to 250psi (1.7MPa) and vacuum to 30" Hg



Cat. No.	Description	Quantity
15-340-11	Male; 1/4 in. ID	Ea.

**Vials and Vial Inserts**

**Autosampler Vial Inserts**

## Fisherbrand™ Vial Inserts for Wide-Opening Vials

- Pulled point inserts are an economical choice for non-critical applications
- Nominal O.D. of 6mm to fit Target wide-opening vials

Cat. No.	Description	Quantity
13-622-125	300uL Polyspring, Glass Conical Insert	Ea.

**Autosampler Vials**

## Fisherbrand™ 2mL Screw Thread Autosampler Vials

- 10-425 thread
- I-D vial with write-on patch graduated at 0.5, 1.0, and 1.5mL
- Black closure is preassembled with a 9mm thread and PTFE/Silicone
- Conical glass insert with attached polyspring, 300µL capacity
- Convenience kit includes 100 vials and 100 seals with septa



Cat. No.	Description	Quantity
<b>Convenience vial kit</b>		
03-391-18	w/Clear vials with black caps and PTFE/silicone septa	100/Pk.
<b>Amber I-D vial</b>		
03-391-36	Capacity: 2mL	100/Pk.
<b>Clear vial</b>		
03-391-16	Capacity: 2mL	100/Pk.
<b>Polyspring vial insert</b>		
03-391-35	Glass; 300uL	100/Pk.
<b>Preassembled Closure</b>		
03-391-17	Color: Blue; 9mm; PTFE/Silicone	100/Pk.

## Fisherbrand™ 4mL Autosampler Vials

- 13-425 screw-top vials
- Type 1, borosilicate glass
- 15 × 45mm
- Black closures are preassembled with a red and white PTFE/Silicone septa (0.075") and 13-425 GPI thread
- Convenience kit includes 100 vials and 100 caps with septa



Cat. No.	Description	Quantity
03-391-37	Screw top vial; Amber Type N-51A Borosilicate Glass	100/Pk.

**Autosampler Vial Closures**

**Autosampler Vial Crimp Caps**

## Fisherbrand™ Headspace 20mm Crimp Seals with Septa

- Seals with pre-inserted septa are convenient and minimize contamination due to handling
- Use magnetic seals with CTC/Leap™ Technologies, Gerstel™ and other magnetic transport autosamplers
- PurePak™ PTFE/Silicone seals are packed in glass jars to maintain purity up to the point of use
- Molded polyethylene SepCap™ is suitable for short-term storage or where repeated access to the vial is required

Cat. No.	Description	Quantity
13-622-130	9.5mm hole	Ea.

## Fisherbrand™ Crimp Top Vials—Wide Opening 2mL, 12 × 32mm

- Fit most autosamplers that accommodate the 12 × 32mm vial format
- Borosilicate clear glass Type 1, Class A or 51A amber glass
- Uniformly flat bottom for security with inserts
- I-D™ vials feature write-on patch with graduations
- Fisherbrand™ crimp top vials feature color-coded graduations and patch
- Vials with an 11mm crimp finish require aluminum seal closures

Cat. No.	Description	Quantity
13-622-126	Clear glass, MacroVial 350uL Fused Insert Vial	Ea.

## Fisherbrand™ Crimp-Top 2mL Autosampler Vials

- I-D vial has write-on patch
- Graduated in 0.5mL increments
- Silver 11mm aluminum crimp-top seals offer a variety of septa material options
- 12 O.D. × 32mm long
- Convenience kit has 100 vials and 100 seals with septa



Cat. No.	Description	Quantity
<i>Convenient vial kit</i>		
033917	2.0mL; Clear; With caps and PTFE/Red rubber septa	100/Pk.
<i>2.0mL glass vials</i>		
03-391-6	Amber	100/Pk.
03-391-5	Clear	100/Pk.
<i>11mm aluminum seal</i>		
03-391-33	Silver; PTFE Silicon Septa	100/Pk.
03-391-34	Silver; PTFE/Silicon/PTFE Septa	100/Pk.

## Fisherbrand™ Headspace Vials

- Clear glass vials with 20mm crimp seal finish are designed to fit most headspace autosamplers
- Flat bottom vials maximize heating efficiency when used with bottom
- Round bottom vials are more easily handled by robotic arms that lift the vial from the tray
- Round bottom vials distribute the internal pressure created at high temperatures across the glass surface
- Beveled edge finish features a sturdy rim that presses into the septum for a more effective seal

### Compatibility

- Flat bottom vials feature a longer neck for fit with Carlo Erba™ and Agilent™ units
- Round bottom vials are designed for Perkin-Elmer™, Tekmar™ and Varian™ units

Cat. No.	Description	Quantity
<i>Flat Bottom, Beveled Edge</i>		
13-622-129	10mL	Ea.
<i>Flat Bottom, Beveled Edge</i>		
13-622-128	20mL	Ea.

## Fisherbrand™ Headspace Vials ND20/ND18



Cat. No.	Description	Quantity
<i>Rounded bottom;</i>		
13-622-135	Amber glass; 46 × 22.5mm; 10mL Precision thread vial	Ea.
13-622-134	Clear glass; 46 × 22.5mm; 10mL Precision thread vial	Ea.
13-622-133	Amber glass; 75.5 × 22.5mm; 20mL Precision thread vial	Ea.
13-622-132	Clear glass; 75.5 × 22.5mm; 20mL Precision thread vial	Ea.
13-622-136	White silicone/ blue PTFE, Durometer - 55deg. shore A, 1.5mm thick, pkg 100	Ea.

## Fisherbrand™ Limited Volume Wide Opening Plastic Crimp Top Vials

- Constructed of polypropylene
- Precision formed tips are designed to aid sample recovery
- 12 × 32mm vials
- Compatible with aluminum seals or Snap-It™ snap cap closures

Cat. No.	Description	Quantity
13-622-127	250uL Virgin Polypropylene MicroVial	Ea.

## Fisherbrand™ Polypropylene MicroVials

- Manufactured from molded polypropylene—ideal for inert microsampling
- Sharp shoulder and high neck clearance ensure dependable operation with all autosamplers; external neck width is smaller, making it easier for robotic autosamplers to grasp the vials
- Compatibility with Target DP 9-425 screw thread closures provides a wide variety of closures
- Mandrel reservoir allows for maximum sample extraction and working volumes from <5 to 300µL
- Four-radiating-fin base provides high stability in autosampler trays
- High-quality molding process produces a clean profile, eliminating autosampler stalls

Cat. No.	Description	Quantity
13-622-124	Vial Only, 300uL Target DP Polypropylene Vial	Ea.

## Fisherbrand™ Robotic Screw Top Autosampler Vials

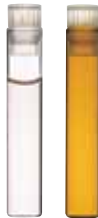
- 12 × 32mm screw top vials with a 9mm thread finish
- Fit rotating or robotic arm autosamplers
- Convenience of a screw thread vial with the integrity of a crimp cap vial
- Clear vials are made from Type I, borosilicate glass; amber vials are made from amber borosilicate glass
- Blue closures are preassembled with a 9mm thread and choice of PTFE/Silicone, PTFE/Silicone/PTFE, or PTFE/Red Rubber septa
- Convenience kit includes 100 vials and 100 seals with septa



Cat. No.	Description	Quantity
<b>Vial convenient kit</b>		
0339115	w/100 blue closures with PTFE/silicone septa	100/Pk.
<b>Clear Vial</b>		
03-391-8	2mL; Type I, 33 Expansion Borosilicate Glass	100/Pk.

## Fisherbrand™ Shell Vials for Waters™ Autosamplers

- 1mL vials made from clear borosilicate glass and for use with 96-position autosampler
- 4mL vials made from Type I, Class A clear borosilicate glass and for use with 48-position autosampler



Cat. No.	Description	Quantity
03-391-23	1mL; 33 Expansion borosilicate glass; 8 × 40mm	200/Pk.

## Fisherbrand™ Standard Opening 2mL Crimp-Top Vials

- Borosilicate glass
- 12 O.D. × 32mm long
- Convenience kit includes 100 vials and 100 seals with septa



Cat. No.	Description	Quantity
<b>Convenience Kit</b>		
03-391-4	2mL; Clear; Type I Class A Borosilicate Glass	100/Pk.

### EPA Vials

## Fisherbrand™ Economical Glass EPA Vials

- Available in clear and amber Type I borosilicate glass



Cat. No.	Description	Quantity
<b>Clear glass</b>		
03-340-121	Capacity: 20mL; O.D. × H: 28 × 57mm	72/Cs.
03-340-119	Capacity: 40mL; O.D. × H: 27 × 95mm	72/Cs.

## Fisherbrand™ EnviroWare™ Assembled Borosilicate Glass EPA Vials

- Manufactured from Type I, Class A or amber 203 borosilicate glass
- Available in clear and amber form
- With closure GPI thread 24-400



Cat. No.	Description	Quantity
<b>20mL</b>		
03-339-14C	O.D. × H: 28 × 60mm; Clear Class A Borosilicate Glass	72/Pk.
<b>40mL</b>		
03-339-14A	O.D. × H: 28 × 98mm; Clear Class A Borosilicate Glass	72/Pk.

## Fisherbrand™ Glass EPA Vials

- Borosilicate glass Clear vials for general analysis; amber vials for light-sensitive materials
- GPI thread, 24-400



Cat. No.	Description	Quantity
<b>Clear</b>		
02-912-381	Precleaned; 5 dr.	144/Cs.
02-912-379	Precleaned; 10 dr.	144/Cs.

Sample Vials - Glass

### Fisherbrand™ Class A Clear Glass Threaded Vials

- Low alkali content
- Borosilicate glass vials free of calcium, magnesium and zinc



Cat. No.	Description	Quantity
03-339-25A	Capacity: 0.5 dr. (1.8mL); O.D. × L: 12 × 35mm	144/Pk.
03-339-25B	Capacity: 1 dr. (3.7mL); O.D. × H: 15 × 45mm	144/Pk.
03-339-25C	Capacity: 2 dr. (7.4mL); O.D. × H: 17 × 60mm	144/Pk.
03-339-25D	Capacity: 3 dr. (11.1mL); O.D. × L: 19 × 65mm	144/Pk.
03-339-25E	Capacity: 4 dr. (14.8mL); O.D. × L: 21 × 70mm	144/Pk.
03-339-25F	Capacity: 6 dr. (22.2mL); O.D. × L: 23 × 85mm	144/Pk.

### Fisherbrand™ Class A Clear Glass Threaded Vials with Attached Caps

- General-purpose vials
- Made from Type I, Class A borosilicate glass
- Short style vials feature low profile for greater stability and compound storage
- Packaged in partitioned trays



Cat. No.	Description	Quantity
14-955-327	PTFE-faced white 14B rubber; Capacity: 1 dr. (4mL); O.D. × L: 15 × 45mm	144/Cs.
14-955-328	PTFE-faced white 14B rubber liner; 2 dr. (8mL); O.D. × L: 17 × 60mm	144/Cs.
14-955-329	PTFE-faced white 14B rubber liner; 3 dr. (12mL); O.D. × L: 19 × 65mm	144/Cs.
14-955-317	PTFE-faced white 14B rubber liner; 4 dr. (16mL); O.D. × L: 21 × 70mm	144/Cs.
14-955-320	PTFE-faced white 14B rubber; liner; 8 dr. (30mL); O.D. × L: 25 × 95mm	144/Cs.

### Fisherbrand™ Class B Amber Glass Threaded Vials

- Made from Type I, Class B amber borosilicate glass
- Autoclavable
- Black screw-top cap
- White rubber liner
- Caps packed separately



Cat. No.	Description	Quantity
03-339-23B	1 dr. (3.7mL); O.D. × H: 15 × 45mm; GPI 18-425 thread	144/Pk.
03-339-23C	2 dr. (7.4mL); O.D. × H: 17 × 60mm; GPI 15-425 thread	144/Pk.
03-339-23D	4 dr. (14.8mL); O.D. × H: 21 × 70mm; GPI 18-400 thread	144/Pk.
03-339-23E	8 dr. (29.6mL); O.D. × H: 25 × 95mm; GPI 22-400 thread	144/Pk.

### Fisherbrand™ Class B Amber Glass Threaded Vials with Attached Caps

- General-purpose vials for light-sensitive materials
- Made from Type I, Class B amber borosilicate glass
- Autoclavable



Cat. No.	Description	Quantity
14-955-331	Capacity: 4mL; 15 O.D × 45mm H	144/Cs.
14-955-332	Capacity: 8mL; 17 O.D × 60mm H	144/Cs.
14-955-333	Capacity: 20mL; 28 O.D × 57mm H	72/Cs.

### Fisherbrand™ Class B Clear Glass Threaded Vials

- Made from Type I, Class B borosilicate glass
- Black phenolic screw-top closure
- GPI thread finish



Cat. No.	Description	Quantity
03-339-21C	1.5 dr. (5.5mL); O.D. × L: 16 × 50mm; GPI 13-425 Thread	144/Pk.
03-339-21E	3 dr. (11.1mL); O.D. × L: 19 × 65mm; GPI 15-425 thread	144/Pk.
03-339-21J	4 dr. (14.8mL); O.D. × L: 28 × 57mm; GPI 24-400 thread	144/Pk.
03-339-21G	6 dr. (22.2mL); O.D. × L: 23 × 85mm; GPI 20-400 thread	144/Pk.
03-339-21H	8 dr. (29.6mL); O.D. × L: 25 × 95mm; GPI 22-400 thread	144/Pk.
03-339-21M	9.5 dr. (35.1mL); O.D. × L: 28 × 95mm; GPI 24-400 thread	144/Pk.
03-339-21N	11 dr. (40.7mL); O.D. × L: 28 × 108mm; GPI 24-400 thread	144/Pk.

### Fisherbrand™ Class B Clear Glass Threaded Vials

- Made from Type I, Class B borosilicate glass
- Autoclavable



Cat. No.	Description	Quantity
03-339-22B	1 dr. (3.7mL); O.D. × L: 15 × 45mm; GPI 13-425 thread	144/Pk.
03-339-22D	2 dr. (7.4L); O.D. × L: 17 × 60mm; GPI 15-425 thread	144/Pk.
03-339-22E	3 dr. (11.1mL); O.D. × L: 19 × 65mm; GPI 15-425 thread	144/Pk.
03-339-22F	4 dr. (14.8L); O.D. × L: 21 × 70mm; GPI 18-400 thread	144/Pk.
03-339-22J	4 dr. (14.8mL); O.D. × L: 28 × 57mm; GPI 18-400 thread	144/Pk.
03-339-22K	6 dr. (22.2mL); O.D. × L: 28 × 70mm; GPI 24-400 thread	144/Pk.
03-339-22H	8 dr. (29.6mL); O.D. × L: 25 × 95mm; GPI 22-400 thread	144/Pk.
03-339-22M	9.5 dr. (35.1mL); O.D. × L: 28 × 95mm; GPI 24-400 thread	144/Pk.
03-339-22N	11 dr. (40.7mL); O.D. × L: 28 × 108mm; GPI 24-400 thread	144/Pk.

## Fisherbrand™ Class B Clear Glass Threaded Vials with Closures Attached

- Made from Type I, Class B borosilicate glass
- Attached black phenolic screw-top closures with polyvinyl-faced pulp liner
- GPI thread finish



Cat. No.	Description	Quantity
03338AA	Capacity: 0.5 dr. (1.8mL); O.D. × L: 12 × 35mm; GPI thread finish: 8-425	144/Pk.
03338A	Capacity: 1 dr. (3.7mL); O.D. × L: 15 × 45mm; GPI thread finish: 13-425	144/Pk.
03-338B	Capacity: 1.5 dr. (5.5mL); O.D. × L: 16 × 50mm; GPI thread finish: 13-425	144/Pk.
03-338C	Capacity: 2 dr. (7.4mL); O.D. × L: 17 × 60mm; GPI thread finish: 15-425	144/Pk.
03-338D	Capacity: 3 dr. (11.1mL); O.D. × L: 19 × 65mm; GPI thread finish: 15-425	144/Pk.
03-338F	Capacity: 4 dr. (14.8ml); O.D. × L: 21 × 70mm; GPI thread finish: 18-400	144/Pk.
03-338H	Capacity: 6 dr. (22.2mL); O.D. × L: 23 × 85mm; GPI thread finish: 24-400	144/Pk.
03-338G	Capacity: 6 dr. (22.2mL); O.D. × L: 28 × 70mm; GPI thread finish: 24-400	72/Pk.
03-338J	Capacity: 8 dr. (29.6mL); O.D. × L: 25 × 95mm; GPI thread finish: 22-400	72/Pk.

## Fisherbrand™ Glass Shell Vials

- Made from Type 1, N-51A borosilicate glass
- Ideal for storing dry products
- Good visibility of contents



Cat. No.	Description	Quantity
03-339-30B	0.5 dr.; O.D. × H: 12 × 35mm; Closure: none; Lab pack	144/Pk.
03-339-30C	1 dr.; O.D. × H: 15 × 45mm; Closure: none; Lab pack	144/Pk.
03-339-30J	8 dr.; O.D. × H: 25 × 95mm; Closure: none; Lab pack	144/Pk.
03-339-26A	0.5 dr.; O.D. × H: 12 × 35mm; Tite-Seal closure; Bulk pack	144/Pk.
03-339-26B	1 dr.; O.D. × H: 15 × 45mm; Tite-Seal closure; Bulk pack	144/Pk.
03-339-26C	2 dr.; O.D. × H: 19 × 51mm; Tite-Seal closure; Bulk pack	144/Pk.
03-339-26D	3 dr.; O.D. × H: 19 × 65mm; Tite-Seal closure; Bulk pack	144/Pk.

### Sample Vials - Plastic

## Fisherbrand™ Polyethylene Sample Vials with Hinged Cap

- Durable, lightweight polyethylene Unbreakable
- Withstand temperatures to 80°C (176°F)
- Snap-top hinged lids cannot be lost and provide tight friction fit



Cat. No.	Description	Quantity
03-338-1B	1.06 dr. (2.5mL); O.D. × H: 14 × 32mm	100/Cs.

### Scintillation Vials - Glass

## Fisherbrand™ 7mL Borosilicate Glass Scintillation Vial

- Volume: 7mL
- Closure: White plastic screw cap with cork-backed metal foil liner



Cat. No.	Description	Quantity
03-337-26	Capacity: 7mL	1000/Cs.

## Fisherbrand™ 20mL Borosilicate Glass Scintillation Vials

- Potassium-free glass provides consistently low activity counts and excellent light transmission
- Caps fit GPI 22-400 thread finish and are suitable for marking



Cat. No.	Description	Quantity
<i>White polyethylene</i>		
03-337-14	No liner; Caps attached	500/Cs.
<i>White polypropylene</i>		
03 337 4	Pulp-backed metal foil liner; Caps attached	500/Cs.
03-337-15	Pulp-backed metal foil liner; Caps separate	500/Cs.
<i>White urea</i>		
03-337-5	Cork-backed metal foil liner; Caps attached	500/Cs.
03-337-7	Cone-shaped plastic liner; Caps separate	500/Cs.

### Scintillation Vials - Plastic

## Fisherbrand™ 4, 6, and 8mL HDPE ScintiVials™

- 4mL vial supplied with six polypropylene push caps connected by a plastic string (string “disappears” into cap’s notches for snag-free operation in counter)
- 6mL vial available with a “twist-off” cap with unique shouldered design (allowing vial to be centered in 20mL carrier vial) or with a flush cap (for immediate use in miniature vial LS counters) 8mL vial supplied with flush cap



Cat. No.	Description	Quantity
14-955-387	8mL; Flush cap; O.D. × H (w/cap): 17.5 × 62mm	1000/Cs.



## Fisherbrand™ 20mL HDPE Scintillation Vials

- Provide low background counts and excellent light transmission
- Resist leaking and swelling caused by solvent degradation
- Caps fit GPI 22-400 thread, and are suitable for marking



Cat. No.	Description	Quantity
03-337-23A	Attached White polypropylene; Pulp-backed metal foil liner	500/Cs.
03-337-23B	White polypropylene; Separate caps; Pulp-backed metal foil liner	500/Cs.
03-337-23	White polypropylene; Pulp-backed metal foil liner; Bulk pack	1000/Cs.

## Fisherbrand™ Bulk-Packed HDPE 7mL Scintillation Vial

- With linerless white polyethylene closure and improved sealing membrane
- Resists swelling caused by solvent degradation



Cat. No.	Description	Quantity
03-337-20	HDPE scintillation vial; Capacity: 7mL	2000/Cs.

### Water and Wastewater Testing Supplies

### Chlorine and pH Test Kits and Test Strips

## Fisherbrand™ Alkacid™ Full-Range pH Kit

- Range 1 (pH 0.0 to 3.0)
- Range 2 (pH 3.5 to 5.5)
- Range 3 (pH 6.0 to 8.5)
- Range 4 (pH 9.0 to 11.0)
- Range 5 (pH 10.5 to 12.5)
- Range 6 (pH 12.0 to 14.0)

Cat. No.	Description	Quantity
A985	Range: 10.5 to 12.5; Yellow	3/Pk.

## Fisherbrand™ Paper pH Strips

- Ideal for educational use
- Low-cost paper strips are easy to pass around the classroom
- Easy-to-use—simply dip strip in solution to be tested and match to color chart immediately



Cat. No.	Description	Quantity
13-640-511	Range: 0.0 to 3.0	10/Cs.
13-640-508	Range: 0.0 to 14.0	10/Cs.
13-640-509	Range: 3.0 to 5.5	10/Cs.
13-640-510	Range: 6.0 to 8.0	10/Cs.
13-640-512	Range: 8.0 to 9.5	10/Cs.
13-640-513	Range: 10.0 to 12.0	10/Cs.
13-640-514	Range: 12.5 to 14.0	10/Cs.
13-640-515	pH Testing paper set; Range: 0.0-14.0	10/Cs.

## Fisherbrand™ pH Paper Rolls

- Convenient dispenser allows you to select the right amount of pH paper for each application
- Easy-to-use—Dip paper in solution to be tested and match to color chart immediately
- Highly accurate and well suited for most applications
- Each SKU is packed in box of five clear plastic dispensers
- Cat. No. 13-640-507 is a pH paper testing set that includes shrink wrapped pack of seven dispensers (one of each SKU)



Cat. No.	Description	Quantity
13-640-500	Range: 0.0-3.0	5/Cs.
13-640-506	Range: 1.0-12.0	5/Pk.
13-640-501	Range: 3.0-5.5	5/Cs.
13-640-502	Range: 6.0-8.0	5/Cs.
13-640-503	Range: 8.0-9.5	5/Cs.
13-640-504	Range: 10.0-12.0	5/Cs.
13-640-505	Range: 12.5-14.0	5/Pk.
13-640-507	Range: 0.0-14.0	7/Pk.

## Fisherbrand™ Plastic pH Strips

- Easy-to-use—simply dip strip in solution to be tested and match to color chart immediately
- Single color match with full 0.5" matching area for quick and accurate matches
- Flip-top vial stays closed when dropped, but is easy to open with one-hand
- Sturdy vial keeps strips safe from the elements
- Full pH range (0.0-14.0) is available in a universal pH strip and finer measurements across the pH range
- Sold as 100 strips per vial; Pack of 6 vials



Cat. No.	Description	Quantity
13-640-520	pH Range: 0.0 to 6.0	Ea.
13-640-516	pH Range: 0.0 to 14.0	Ea.
13-640-517	pH Range: 5.5 to 8.0	Ea.
13-640-519	pH Range: 5.0 to 9.0	Ea.
13-640-518	pH Range: 6.5 to 13.0	Ea.

## Fisherbrand™ Special Test Papers

- **Lead Acetate** paper turns black in presence of hydrogen sulfide and other soluble sulfides
- **Potassium Iodide/Starch** paper turns blue to deep purple in the presence of low levels of chlorine, iodine, peroxide and ozone



Cat. No.	Description	Quantity
14-862	Lead Acetate	24/Pk.

## Fisher Chemical™ Universal pH Indicator System

- Rapid determinations of approximate pH of aqueous solutions
- Color chart features 12 translucent color standards permanently mounted next to openings of the same size pH value of each color standard is printed on included chart



Cat. No.	Description	Quantity
SI60-500	Volume: 500mL, EcoSafPak	Ea.
SI60-1	Volume: 1L, EcoSafPak	Ea.

### Water and Waste Water Testing and Supplies

## Fisher Science Education™ Water Quality pH Pens

- Automatically calibrates to pH 4, 7 and 10 buffers; can also be adjusted to recognize nonstandard buffers
- Feature hold function and low battery indicator
- Automatic three-point calibration and power off

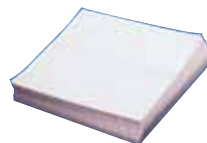


Cat. No.	Description	Quantity
S96275A	Range: 0 to 14; Resolution: 0.1; Accuracy: +/-0.2 pH	Ea.

### Weighing Papers

## Fisherbrand™ Low-Nitrogen Weighing Paper

- Sufficient body to support sample
- Smooth textured to avoid trapping material
- Does not absorb moisture



Cat. No.	Description	Quantity
09-898-12A	3 × 3 in. (76 × 76mm)	500/Pk.
09-898-12B	4 × 4 in. (100 × 100mm)	500/Pk.
09-898-12C	6 × 6 in. (152 × 152mm)	500/Pk.

### Wipers

#### Disinfectant Wipes

## Fisherbrand™ BloodBloc™ Biohazard Wipes

- Soft, white absorbent wipe with bright-orange polyethylene backing is impermeable to blood, body fluids and strong solvents including xylene and xylene substitutes, acetones, ketones, alcohols and formalin
- Nonwoven cellulose captures and retains fluid; nonlinting for use with delicate instrumentation such as blood counters
- Orange flexible impermeable plastic backing prevents soak-through of pathogens and chemicals to gloves which help minimize cross-contamination when lab personal open doors or touch surfaces
- Can also be used as mats and liners. Rolls of material can be cut to desired length.
- One time use only



Cat. No.	Description	Quantity
06-670-1	Standard Absorbency; 3 × 3 in.	250/Pk.
06-670-35	Standard Absorbency; 4 × 4 in.	250/Pk.
06-670-55	Standard Absorbency, 16 in. × 100 ft.	1/Pk.

### General Purpose Wipers

## Fisherbrand™ Premoistened Wipes

- Nonwoven cloth wipes available dry, or premoistened with 100% pure deionized water or a blend of pure reagent-grade 70% isopropyl alcohol and 30% deionized water
- Cellulose and polyester blend cloth is soft and lint-free; will not scratch surfaces or fall apart like paper wipes
- Reclosable container dispenses single wipes, eliminates contamination from dust and dirt



Cat. No.	Description	Quantity
06-665-24	Premoistened with isopropyl alcohol and deionized water	100/Pk.

### Wound and Incision Care Products

#### Gauze Bandages

## Fisherbrand™ Gauze Sponges

- Made of 100% cotton with the cut edges folded in
- Provide bulk, loft and high absorption for a wide range of prepping and dressing procedures
- Sterile and nonsterile variety



Cat. No.	Description	Quantity
<b>Sterile</b>		
22-415-469	4 × 4 in.; 12-ply	100/Pk.
<b>Nonsterile</b>		
22-362-178	2 × 2 in.; 12-ply	200/Pk.
13-761-52	4 × 4 in.; 12-ply	200/Pk.

**Diagnostics**

**Clinical Diagnostic Kits and Reagents**

**ASO Testing**

## Fisher HealthCare™ Sure-Vue™ ASO Test Kit

- **CLIA Complexity:** Non-Waived
- **CPT Codes:** 86060/86063
- Two-minute latex agglutination slide test
- For the qualitative and semi-quantitative determination of antistreptolysin-O in serum
- Can be used to screen both for levels of ASO in serum greater than 200 IU/mL and levels of ASO greater than 100 IU/mL using an alternative sampling
- Can also be used to determine titers of ASO in serum using the semi-quantitative technique
- For in vitro diagnostic use



Cat. No.	Description	Quantity
23-038-000	Two-minute test	50/Pk.

**Blood Bank Reagents**

## Fisherbrand™ Blood Bank Saline

- Consists of a w/v isotonic NaCl solution
- Special processing assures extremely low particle count
- For in vitro diagnostic and laboratory use only
- 2.64 gal. (10L) and 5.28 gal. (20L) sizes supplied in cubitainers



Cat. No.	Description	Quantity
<b>Buffered</b>		
23-312-651	2.64 gal. (10L)	Ea.
23-309-178	5.28 gal. (20L)	Ea.
<b>Non-buffered</b>		
23-293-184	1 gal. (3.78L)	4/Cs.
23-535-435	5.28 gal. (20L)	Ea.

**ESR Testing**

## Fisherbrand™ Dispette™ 2

- Polystyrene design is shatterproof and safe to handle
- CLIA-waived
- Manufactured with a minimum 2.55mm internal bore to prevent “cell bouncing” or the impedance of proper cell sedimentation
- “Triple plug” tip design provides a unique protective barrier from accidental overfilling of the pipet tube and spillage of blood
- Pierceable reservoir cap provides greater tactile feedback during pipet insertion and eliminates the need to remove the cap before insertion, improving safety
- Reservoir cap provides enlarged mixing space to ensure adequate mixing of blood and saline
- “Sealing ring” molded into reservoir below fill line ensures correct filling when inserted into the reservoir and helps to prevent leaks
- Restricted end of the reservoir acts as an extra safety feature by slowing the downward movement of the tube during insertion and providing a buffered stop
- Reservoirs are pre-filled to ensure the correct dilution following the recommended Westergren ESR method when 1mL of EDTA blood is added



Cat. No.	Description	Quantity
02-675-179	Dispette 2 ESR Kit	100/Pk.

## Fisherbrand™ Disposable Wintrobe Tube

- Precision-scaled from the interior base
- Ideal for determining sedimentation rates and hematocrit values



Cat. No.	Description	Quantity
22-150-730	Tube length: 115mm; Inside diameter: 3mm	200/Pk.

**Glucose Tolerance Beverages**

## Fisherbrand™ Glucose Tolerance Test Beverages

- Graduated bottles assure proper dose every time
- 24-month shelf life

Cat. No.	Description	Quantity
<b>Fruit punch</b>		
401576FB	50g; 24/Cs.	24/Cs.
401526FB	75g; 24/Cs.	24/Cs.
401503FB	100g; 24/Cs.	24/Cs.
<b>Lemon-lime</b>		
401074FB	50g; 24/Cs.	24/Cs.
401025FB	75g; 24/Cs.	24/Cs.
401009FB	100g; 24/Cs.	24/Cs.
<b>Orange</b>		
401272FB	50g; 24/Cs.	24/Cs.
401223FB	75g; 24/Cs.	24/Cs.
401207FB	100g; 24/Cs.	24/Cs.

## Fisherbrand™ Urine Reagent Strips

- Competitively priced Urine Reagent Strip
- 10-parameter format
- Reliable and consistent results with excellent sensitivity
- CLIA waived†



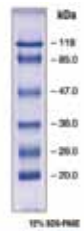
Cat. No.	Description	Quantity
23-111-262	10-Parameter test strips	100/Pk.

### Electrophoresis Reagents

### Electrophoresis Markers

## Fisher BioReagents™ EZ-Run™ Prestained Protein Marker

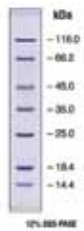
- Comprised of six purified proteins covalently coupled to a blue chromophore
- Optimized to produce well-defined blue bands after SDS-PAGE
- Supplied in gel loading buffer
- 20 to 118kDa



Cat. No.	Description	Quantity
BP3601-500	500uL	Ea.
BP3601-1	2 × 500uL	2/Pk.

## Fisher BioReagents™ EZ-Run™ Protein Marker

- Supplied in gel loading buffer for direct application to SDS-PAGE gels
- Ideal for molecular weight determination of polypeptides analyzed in various gel systems



Cat. No.	Description	Quantity
BP3600-500	500uL	Ea.
BP3600-1	2 × 500uL	2/Pk.

### Microbiology Products

### Quality Control Testing Slides

## Fisherbrand™ AFBX™ Control Slides

- Acid-fast positive organisms will stain red
- Acid-fast negative organisms will stain blue or green, depending on counterstain used
- The positive control will contain red-stained, rod-shaped or coccobacillary bacteria (measuring from 0.5 to 5.0 × 0.2 to 0.6µm)
- The negative control will have no red-stained bacteria
- Use an oil immersion lens when examining under a microscope



### Slide contains:

- Circle-shaped area (+) heat-fixed with a positive control (*Mycobacterium kansasii*)
- Circle-shaped area (-) heat-fixed with a negative control (*Escherichia coli*)
- Blank oval area for the specimen to be examined

Cat. No.	Description	Quantity
08-801-5	50/Pk.	50/Pk.

## Fisherbrand™ GramX™ Control/Test Slides

- Six sections are blank, for staining unknowns
- Two sections contain fixed smears of gram-positive *Staphylococcus aureus* and gram-negative *Escherichia coli*
- Function with **any** standard Gram stain reagent set



Cat. No.	Description	Quantity
08-801	Individual foil packs; 50/Pk.	50/Pk.

### Slide Mounting Media

## Fisherbrand™ Super Friendly Freeze'It™

- Rapidly cools any material without CFCs or HCFCs
- Concentrates freezing power exactly where needed
- Capable of dropping sample temperature from room temperature to -60°F in three seconds
- Triple-filtered gas prevents sample contamination and enhances cooling ability
- Deters the water crystal formation that occurs with slower refrigerants



Cat. No.	Description	Quantity
23-022-524	110z; 6/Cs.	6/Cs.

## Fisher Chemical Permout™ Mounting Medium

- Low viscosity
- Gives a thinner adhesive layer for better optical quality
- A refractive index near that of fixed protein helps keep image free of optical imperfections such as diffraction halos
- Suitable for mounting cover slips to slides with thick or thin specimens
- Won't shift the colors of biological dyes
- Won't lose its cohesiveness, adhesive quality, or color with age
- Preserves most biological dyes with little or no fading when slides are stored in darkness



Cat. No.	Description	Quantity
SP15-100	100mL	Ea.
SP15-500	500mL	Ea.

### Tissue Processing Reagents

#### Staining Reagents - Tissue

## Fisher Chemical Harris Modified Method Hematoxylin Stains

- Mercury-free
- Suitable for PAP staining

Cat. No.	Description	Quantity
SH26-500D	With Acetic Acid 500mL, EcoSafPak	Ea.
SH30-4D	4L	Ea.

### Tissue Processing Reagents

## Fisher Chemical HistoPrep™ Frozen Tissue Embedding Media

- A special formulation of water-soluble glycols and resins used as a medium for frozen sectioning
- Provides a solid bond with object holder to reduce tissue dislodging by knife pressure



Cat. No.	Description	Quantity
SH75-125D	125mL	Ea.

## Fisher Scientific™ Tissue Path™ Paraplast™ Tissue Embedding Media

- Greatly minimizes tissue compression due to sectioning
- Melting point of 122° to 129°F (50° to 54°C) allows lower infiltration temperatures
- Packaged in cases of eight, 1kg packs
- **Paraplast PLUS** is recommended for large tissues or tissue that normally presents infiltration problems and contains a small amount of DMSO (dimethyl sulfoxide) for faster tissue penetration
- **Paraplast X-TRA** is a unique blend of low molecular weight polymers and highly purified paraffins for exceptional compression resistance and ribbon continuity



Cat. No.	Description	Quantity
23-021-399	Tissue Path PARAPLAST Tissue Embedding Media	8/Cs.
23-021-400	Tissue Path PARAPLAST PLUS Tissue Embedding Media	8/Cs.
23-021-401	Tissue Path PARAPLAST X-TRA Tissue Path PARAPLAST PLUS	8/Cs.

### Equipment

#### Animal Surgical Devices

#### Animal Surgical Equipment Accessories

## Fisherbrand™ Animal Ear-Tag Punch



Cat. No.	Description	Quantity
13-812-201	Punch	Ea.

### Bath Accessories

#### Bath Covers

## Fisher Scientific™ Isotemp™ Economy Water Bath Concentric Ring Covers

- Evaporate liquids or melt solids such as agar
- Cover for 10L bath has four holes; cover for 20 and 28L baths has six holes
- Each hole has removable center lid and concentric stainless-steel rings Rings can be removed from inner ring outward, producing diameters to accommodate various sizes of lab containers



Cat. No.	Description	Quantity
15-462-30Q	4 holes	Ea.
15-462-31Q	6 holes	Ea.



## Fisher Scientific™ Isotemp™ Gable Covers for Water Baths

Cat. No.	Description	Quantity
15-462-32Q	For 2L water baths	Ea.
15-462-33Q	For 2L shallow form and 5L water baths	Ea.
15-462-34Q	For 10L water baths	Ea.
15-462-35Q	For 20L and 28L water baths	Ea.

### Baths

#### Circulating Baths - Heated

## Fisher Scientific™ Isotemp™ Heated Bath Circulators

- Reliable, high-wattage heaters that deliver rapid fluid heat up and ensure fluid compatibility for your application
- Standard high temperature cutout (HTC) circuitry is user-selectable to ensure application temperatures do not exceed set point parameters



Cat. No.	Description	Quantity
<b>Model 4100 H7 (4 to 7L)</b>		
13-874-171	+55.4deg. to 212deg.F; 115V	Ea.
<b>Model 4100 H11 (7 to 11L)</b>		
13-874-172	+55.4deg. to 212deg.F; 115V	Ea.
<b>Model 4100 H24 (14 to 24L)</b>		
13-874-173	+55.4deg. to 212deg.F; 115V	Ea.
<b>Model 5150 H7 (4 to 7L)</b>		
13-874-121	+55.4deg. to 302deg.F; 115V	Ea.
<b>Model 5150 H11 (7 to 11L)</b>		
13-874-124	68deg. to +302deg.F; 115V	Ea.
<b>Model 5150 H24 (14 to 24L)</b>		
13-874-123	+55.4deg. to 302deg.F; 115V	Ea.
<b>Model 6200 H7 (4 to 7L)</b>		
13-874-671	+55.4deg. to 392deg.F; 115V	Ea.
<b>Model 6200 H11 (7 to 11L)</b>		
13-874-672	+55.4deg. to 392deg.F; 115V	Ea.
<b>Model 6200 H24 (14 to 24L)</b>		
13-874-673	+55.4deg. to 392deg.F; 115V	Ea.

## Fisher Scientific™ Isotemp™ Open Heated Acrylic Bath Circulators

- Heating capacity up to 1000 watts
- Available with 6-, 12- and 19-liter baths
- Easy sample viewing during operation



Cat. No.	Description	Quantity
13-874-177	Heated Acrylic Bath Circulator 4100 H6A; 11.4 lb. (5.17kg)	Ea.
13-874-178	Open Heated Acrylic; 4100 H12A	Ea.
13-874-179	Heated Acrylic Bath Circulator 4100 H19A; 18.1 lb. (8.21kg)	Ea.

## Fisher Scientific™ Isotemp™ Open Heated PPO Bath Circulators

- Heating capacity up to 1000 watts
- Available with 5-, 14-, and 21-liter baths
- The most economical choice for a heating bath



Cat. No.	Description	Quantity
<b>Heated PPO Bath Circulator 4100 H5P</b>		
13-874-174	34.79 × 19.05 × 38.86cm	Ea.
<b>Heated PPO Bath Circulator 4100 H14P</b>		
13-874-175	34.79 × 35.81 × 45.21cm	Ea.
<b>Heated PPO Bath Circulator 4100 H21P</b>		
13-874-176	34.79 × 35.81 × 64.26cm	Ea.

#### Circulating Baths - Refrigerated

## Fisher Scientific™ Isotemp™ Refrigerated/Heated Bath Circulators

- Cooling capacities up to 800 watts
- All bath drains are located on the front of the unit with an integrated valve



Cat. No.	Description	Quantity
<b>Refrigerated Bath Circulator 5150 R35</b>		
13-874-127	-35deg. to +150deg.C	Ea.
<b>Refrigerated Bath Circulator 6200 R20</b>		
13-874-674	-20deg. to +100deg.C	Ea.
<b>Refrigerated Bath Circulator 6200 R20F</b>		
13-874-675	-20deg. to +100deg.C	Ea.
<b>Refrigerated Bath Circulator 6200 R28</b>		
13-874-676	-28deg. to +200deg.C	Ea.
<b>Refrigerated Bath Circulator 6200 R35</b>		
13-874-677	-35deg. to +200deg.C	Ea.

## Immersion Circulators

## Fisher Scientific™ Isotemp™ Heated Immersion Circulators

**Each unit features:**

- Two pump speeds: 50% and 100%
- Adjustable PID control
- Large, easy-to-read, five-line LCD display
- Three languages: English, German, French
- Over temperature/low level cutouts with audible and visual alarms
- High quality industrial motor for excellent pump performance and long life



Cat. No.	Description	Quantity
<b>Immersion Circulator 4100B</b>		
13-874-438	Ambient +212deg.F; Pump: Force	Ea.
<b>Immersion Circulator 4100C</b>		
13-874-432	Ambient +212deg.F; Pump: Force	Ea.
<b>Immersion Circulator 5150B</b>		
13-874-440	Ambient +302deg.F; Pump: Force	Ea.
<b>Immersion Circulator 5150C</b>		
13-874-434	Ambient +302deg.F; Pump: Force	Ea.
<b>Immersion Circulator 6200B</b>		
13-874-442	+392deg.F; Pump: Force, Suction	Ea.

## Recirculating Chillers

## Fisher Scientific™ Isotemp™ Recirculating Chillers

- Six models to choose from
- Cooling capacities up to 2000W
- Full range of heating and cooling from -10°C to +30°C
- Intuitive digital controller for ease of use
- Customer controlled high and low temperature alarm limits
- Small footprint and quiet operation
- Stability ±0.1°C (models I and II), ±0.5°C (model III)
- Three pump options for a variety of application requirements
- Voltage 115V 60Hz or 208-230V 60Hz (depending on model)



Cat. No.	Description	Quantity
<b>Recirculating Chiller Isotemp I</b>		
13-874-240	Pump: PD-1; 700w/2391 BTU	Ea.
<b>Recirculating Chiller Isotemp II</b>		
13-874-241	PD-1; 1000w/3415 BTU	Ea.
13-874-242	PD-2; 1000w/3415 BTU	Ea.
13-874-243	MD-30; 1000w/3415 BTU	Ea.
<b>Recirculating Chiller Isotemp III</b>		
13-874-244	PD-1; 2000w/6830 BTU	Ea.
13-874-245	PD-2; 2000w/6830 BTU	Ea.

## Water Baths

## Fisher Scientific™ Isotemp™ Digital-Control Water Baths

**Microprocessor PID Control**

- ±0.24°C uniformity, ±0.5°C accuracy and stability at 37°C
- Display shows °C or °F; easy to read from across the room


**Safety Features**

- Low profile and front-panel controls for easier access, safer operation
- Dual thermostats guard against thermal runaway
- Hinged acrylic or stainless-steel gable covers have fins that keep hands away from hot vapors
- Covers stay open at 90° or, with quick-release hinge, lift off completely for use with large glassware
- Heating elements will not burn out if bath accidentally runs dry

**Construction**

- Corrosion-resistant exterior with tough, easy-to-clean acrylic enamel coating
- Temperature-resistant plastic rim insulates, resists leaks, keeps its shape and won't dry out or crack like caulked seals
- Exterior stays cool even after hours of operation Deep-drawn, stainless-steel reservoirs and perforated sample trays prevent leaks, guard against rust and contamination
- Rounded reservoir corners and sample trays with finger holes allow for easy removal, make cleaning easier
- Choice of acrylic or stainless-steel covers

Cat. No.	Description	Quantity
<b>2L capacity</b>		
15-462-2Q	120V 50/60Hz, 1.7A	Ea.
15-462-3Q	Hinged acrylic cover; 230V 60Hz, 1.7A	Ea.
15-462-2SQ	Shallow form; 120V 50/60Hz, 1.7A	Ea.
15-462-3SQ	Hinged acrylic cover; 230V 60Hz, 1.7A	Ea.
<b>5L capacity</b>		
15-462-5Q	120V 50/60Hz, 2.5A	Ea.
15-462-6Q	5L; Hinged acrylic cover; 230V 60Hz, 2.5A	Ea.
15-462-S5Q	Hinged stainless-steel cover; 120V 50/60Hz, 2.5A	Ea.
15-462-S6Q	Hinged stainless-steel cover; 230V 60Hz, 2.5A	Ea.
<b>5L/10L dual capacity</b>		
15-462-15Q	120V 50/60Hz, 8.3A	Ea.
15-462-16Q	Hinged acrylic cover; 230V 60Hz, 8.3A	Ea.
15-462-S15Q	Hinged stainless-steel cover; 120V 50/60Hz, 8.3A	Ea.
<b>10L capacity</b>		
15-462-10Q	120V 50/60Hz, 5.8A; With acrylic cover	Ea.
15-462-11Q	Hinged acrylic cover; 230V 60Hz, 5.8A	Ea.
<b>20L capacity</b>		
15-462-20Q	Hinged acrylic cover; 120V 50/60Hz, 8.3A	Ea.
15-462-21Q	Hinged acrylic cover; 230V 60Hz, 8.3A	Ea.
15-462-S20Q	Hinged stainless-steel cover; 120V 50/60Hz, 8.3A	Ea.
15-462-S21Q	Hinged stainless-steel cover; 230V 60Hz, 8.3A	Ea.
<b>28L capacity</b>		
15-462-28Q	Hinged acrylic cover; 120V 50/60Hz, 8.3A	Ea.
15-462-29Q	Hinged acrylic cover; 230V 60Hz, 8.3A	Ea.

## Fisher Scientific™ Isotemp™ Economy Analog Control Water Baths 230V Models

- Precise temperature control up to 100°C (212°F)
- Capacities from 2 to 28L
- Easy-to-use controls on front panel for full access and safe operation
- Dual thermostats guard against thermal runaway; elements won't burn out even if bath runs dry
- Hinged see-through acrylic gable covers have unique fins that keep hands away from hot vapors; stay open at 90° position or lift off to accommodate large glassware
- Corrosion-resistant exterior with acrylic enamel finish; temperature-resistant plastic rim fits snugly to insulate and prevent leaks
- Outside of the bath stays cool to the touch even after hours of operation
- Low-profile design makes access convenient
- Deep-drawn stainless-steel reservoirs are seamless to prevent leaks; rounded corners make cleaning easy



Cat. No.	Description	Quantity
15-460-21Q	Model 120	Ea.

## Fisher Scientific™ Isotemp™ Economy Analog-Control Water Baths

- Easy-to-use controls on front panel for full access and safe operation
- Dual thermostats guard against thermal runaway; elements won't burn out even if bath runs dry
- Choice of acrylic or stainless-steel covers
- Hinged stainless-steel or see-through acrylic gable covers have unique fins that keep hands away from hot vapors; stay open at 90° position or lift off to accommodate large glassware
- Corrosion-resistant exterior with acrylic enamel finish; temperature-resistant plastic rim fits snugly to insulate and prevent leaks
- Outside of the bath stays cool to the touch even after hours of operation
- Low-profile design makes access convenient
- Deep-drawn stainless-steel reservoirs are seamless to prevent leaks; rounded corners make cleaning easy



Cat. No.	Description	Quantity
<b>Capacity: 2L</b>		
15-460-2SQ	Shallow form; With acrylic cover	Ea.
15-460-S2Q	With stainless-steel cover	Ea.
<b>Capacity: 5L</b>		
15-460-5Q	With acrylic cover	Ea.
<b>Capacity: 5L/10L</b>		
15-460-15Q	Dual chamber; With acrylic cover	Ea.
<b>Capacity: 10L</b>		
15-460-10Q	With acrylic cover	Ea.
15-460-S10Q	With stainless-steel cover	Ea.
<b>Capacity: 20L</b>		
15-460-20Q	With acrylic cover	Ea.

### Blenders

#### Immersion Blender - Ultrasonic Accessories

## Fisherbrand™ 3" Cup Horn for Models 505 and 705 Sonic Dismembrators

- Horn is mounted within an acrylic cup and cup is filled with water
- Sample tubes are placed in tube rack (included) above the horn
- Cavitation is produced in the water, processing samples within the tubes
- Sonication generates heat so inlets for cooling are located on each side of the cup
- Chiller is recommended for maintaining both water temperature and water level within Cup Horn
- Inner Dia. of Cup: 3" (7.62cm)
- Dia. of Horn: 2.5" (6.4cm)
- Tube Capacity: 8
- Replacement Microtube Rack: Cat. No. 15-338-404
- **Note:** Sound Enclosure (Cat. No. FB432B2) is recommended for all Cup Horn users.

Cat. No.	Description	Quantity
FB431B1	Cup Horn, 3 in.	Ea.

## Fisher Scientific™ Base Stands For Homogenizer Models

- Type: FST-ST 125 and FST-ST 500/1000
- FST-ST 500/1000 is vessel holder

Cat. No.	Description	Quantity
08-451-674	For homogenizer 125 model only	Ea.
08-451-675	For homogenizer 500 and 1000 models	Ea.

## Fisher Scientific™ Jack Stand

Cat. No.	Description	Quantity
FB-357	Jack Stand; 6 x 6 in.	Ea.

## Fisher Scientific Model 50 and 120 Sonic Dismembrator Accessories



Cat. No.	Description	Quantity
FB-442-2	Probe; 1/8 in.; Processing volume: 0.5 to 15mL	Ea.

## Fisher Scientific™ Model 505 and 705 Sonic Dismembrator Accessories



Cat. No.	Description	Quantity
FB-420-7	0.75 in. probe w/replaceable tip; Processing: 25 to 500mL	Ea.
FB-421-0	1 in. probe w/replaceable tip; Processing: 50 to 1,000mL	Ea.
FB-421-9	0.5 in. solid probe; Processing volume: 10 to 250mL	Ea.
FB-420-8	0.75 in. solid probe; Processing volume: 25 to 500mL	Ea.
FB-420-9	1 in. solid probe; Processing volume: 50 to 1,000mL	Ea.
FB-441-8	Probe; 0.125 in. microtip; Processing volume: 0.5 to 15mL	Ea.
FB-441-7	Probe; 0.16 in. microtip; Processing volume: 0.2 to 5mL	Ea.
FB-442-0	Probe; 0.25 in. microtip; Processing volume: 5 to 50mL	Ea.
FB-440-6	0.5 in. replacement tip	Ea.
FB432B	Sound Enclosure; 30.5 × 13.5 × 13 in.	Ea.
FB-459	Stand with Clamp	Ea.
FB-455-9	Tip horn for processing 4 samples	Ea.

## Fisher Scientific™ Sound Enclosure for Models 505/705 Sonic Dismembrators

- Two ports are located on either side of the enclosure for coolant tubing or a temperature monitoring probe
- Interior walls are lined with water-resistant acoustical foam
- Door has a window so experiments can be visually monitored
- Dimensions: 13D × 13.5W × 30.5"H (33 × 34.3 × 77.5cm)



Cat. No.	Description	Quantity
FB432B2	Sound Enclosure for Models 505/705 Sonic Dismembrators	Ea.

### Immersion Blenders - Ultrasonic

## Fisher Scientific™ Homogenizer 125 PCR Kit

### Homogenizer Model 125

- Intelligent drive control and regulation for long equipment life
- Easy operation with on/off switch and speed control at tip of finger
- Lightweight and low noise equipment
- Quick and easy generator switch
- Available with height adjustable stand

Cat. No.	Description	Quantity
08-451-664	Includes homogenizer model 125 (115V)	Ea.
08-451-665	Includes homogenizer model 125 (230V)	Ea.

## Fisher Scientific™ Homogenizer Model 1000 Package

### Homogenizer Model 1000

- With integrated electronic speed regulation and stabilization
- Potentiometer allows for easy setting of desired speed
- Has automatic soft start and integrated thermal overload fuse which protect motor and ensures longevity
- Available with user friendly coupling that allows easy exchange of generators

Cat. No.	Description	Quantity
08-451-672	Includes homogenizer model 1000 (115V) and stand	Ea.
08-451-673	Includes homogenizer model 1000 (230V) and stand	Ea.

## Fisher Scientific™ Homogenizer Model 125 Package

### Homogenizer Model 125

- Intelligent drive control and regulation for long equipment life
- Easy operation with on/off switch and speed control at tip of finger
- Lightweight and low noise equipment
- Quick and easy generator switch
- Available with height adjustable stand

Cat. No.	Description	Quantity
08-451-662	Includes homogenizer model 125 (115V), stand, SS generators, one box of disposable generators	Ea.
08-451-663	Includes homogenizer model 125 (230V), stand, SS generators, one box of disposable generators	Ea.

## Fisher Scientific™ Homogenizer Model 500 Package

### Homogenizer Model 500

- With integrated electronic speed regulation and stabilization
- Potentiometer allows for easy setting of desired speed
- Has automatic soft start and integrated thermal overload fuse which protect motor and ensures longevity
- Available with user friendly coupling that allows easy exchange of generators

Cat. No.	Description	Quantity
08-451-668	Includes homogenizer model 500 (115V) and stand	Ea.
08-451-669	Includes homogenizer model 500 (230V) and stand	Ea.

## Fisher Scientific™ Laboratory Homogenizer, Model 1000

- With integrated electronic speed regulation and stabilization
- Potentiometer allows for easy setting of desired speed
- Has automatic soft start and integrated thermal overload fuse which protect motor and ensures longevity
- Available with user friendly coupling that allows easy exchange of generators
- Available generators: 5, 7, 12, 20, 25, 30, 36mm; 3500 to 30000rpm
- Safety standard: IEC/EN 61010-2-51
- Protection class according to DIN: IP 20



Cat. No.	Description	Quantity
08-451-670	115V	Ea.
08-451-671	230V	Ea.

## Fisher Scientific™ Laboratory Homogenizer, Model 125

- Easy operation with on/off switch and speed control at tip of finger
- Intelligent drive control and regulation for long equipment life
- Quick and easy generator switch
- Lightweight with less than 1 pound in hand
- Available with height adjustable stand
- Safety standard: IEC/EN 61010-2-51
- Protection class according to DIN: IP 20
- Available generators: 5, 7, 12mm; 0 to 25000rpm



Cat. No.	Description	Quantity
08-451-660	115V	Ea.
08-451-661	230V	Ea.

## Fisher Scientific™ Laboratory Homogenizer, Model 500

- With integrated electronic speed regulation and stabilization
- Potentiometer allows for easy setting of desired speed
- Has automatic soft start and integrated thermal overload fuse which protect motor and ensures longevity
- Available with user friendly coupling that allows easy exchange of generators
- Available generators: 5, 7, 12, 20, 25mm; 11000 to 30000rpm
- Safety standard: IEC/EN 61010-2-51
- Protection class according to DIN: IP 20



Cat. No.	Description	Quantity
08-451-666	115V	Ea.
08-451-667	230V	Ea.

## Fisher Scientific™ Model 505 Sonic Dismembrator

- Processes 0.5 to 500mL
- 500 watts
- Programmable from 1 second to 10 hours
- Pulse mode (1 second to 59 seconds)
- Energy display (watts and Joules)



Cat. No.	Description	Quantity
FB505110	Sonic Dismembrator System with 1/2 in. Probe, Model 505; 117V, 50/60Hz	Ea.
FB505220	Sonic Dismembrator System with 1/2 in. Probe, Model 505; 230V, 50/60Hz	Ea.

## Fisher Scientific™ Model 705 Sonic Dismembrator

- Processes 0.2 to 1000mL
- 700 watts
- Programmable from 1 sec. to 99 hr.
- Save up to 10 different programs
- Pulse mode (1 second to 24 hours)
- Temperature monitoring (requires optional temperature probe)



Cat. No.	Description	Quantity
FB705220	Sonic Dismembrator System with 1/2 in. Probe, Model 705; 230V, 50/60Hz	Ea.

### Standard Blender Accessories

## Fisher Scientific™ Propellers for Electronic Mixers

- Can be used as single or mounted several on a shaft for thorough agitation
- Electro-polished stainless steel 316L
- Secured to shaft with set screws
- Weight: 0.4 lbs (181 g)
- Low shear, high top-to-bottom (axial) pumping capacity with high gas injection
- Will vortex 5 gallons of water at 3600 rpm

Cat. No.	Description	Quantity
14-500-352	Overall diameter: 1 in. (25mm)	Ea.
14-500-353	Overall diameter: 1.5 in. (38mm)	Ea.

### Blenders and Homogenizers

#### Paddle Blenders

## Fisher Scientific™ Paddle Blender



Cat. No.	Description	Quantity
11-452-120	115V	Ea.
11-452-121	230V	Ea.



Ultrasonic Homogenizers

## Fisher Scientific™ Model 120 Sonic Dismembrator

- Processes 0.2 to 50mL
- Programmable from 1 second to 10 hours
- Overload protection
- Pulse mode (1 second to 59 seconds)



Cat. No.	Description	Quantity
<b>Sonic Dismembrator System with 1/8 in. Probe,</b>		
FB120110	Model 120; 117V, 50/60Hz	Ea.
FB120220	Model 120; 230V, 50/60Hz	Ea.
<b>Sonic Dismembrator System without Probe,</b>		
FB120A110	Model 120; 117V, 50/60Hz	Ea.
FB120A220	Model 120; 230V, 50/60Hz	Ea.

Centrifuge Accessories

Buckets and Adapters for Centrifuges

## Fisher Scientific™ Adapter for 1/2 Plates, Strips and Tubes



Cat. No.	Description	Quantity
14-100-142	Adapter for 1/2 Plates, Strips and Tubes	Pr.

General Centrifuge Accessories

## Fisherbrand™ High-Speed Mini-Centrifuge Replacement Parts

- Strip Tube Rotor (12-006-908): Tool-free quick change for 8-place strip rotor for four 0.2mL tube strips or 32 single tubes
- Standard Rotor (12-006-907): Tool-free quick change standard rotor holds twelve 1.5/2.0mL tubes; also includes twelve 0.5mL adapters for customized use



Cat. No.	Description	Quantity
12-006-905	Power Adapter	Ea.
12-006-910	Rotor Cover	Ea.
12-006-909	Rotor Knob	Ea.
12-006-907	Standard Rotor	Ea.
12-006-908	Strip Tube Rotor	Ea.
12-006-906	Universal Cord Set	Ea.

## Fisherbrand™ Mini-Centrifuge Replacement Parts

Cat. No.	Description	Quantity
12-006-903	SnapSpin Standard Rotor	Ea.
12-006-904	SnapSpin Strip Tube Rotor	Ea.

Centrifuges

Benchtop Centrifuges - Compact

## Fisherbrand™ High-Speed Mini-Centrifuge

- Variable timer and speed settings
- Selectable digital display of speed in Xg and rpm
- Low noise and vibration
- Small footprint
- Quick spin or user-set rpm to prevent over compaction
- UV-resistant plastic



Cat. No.	Description	Quantity
12-006-900	High-Speed Mini-Centrifuge	Ea.

## Fisherbrand™ Standard Mini-Centrifuge

- Features exclusive quick-release rotor for fast and easy changes
- Internal safety switch ensures unit will not operate without lid in place
- Removable cord for compact storage
- Maximum speed: 6000rpm
- Max RCF: 2000G



Cat. No.	Description	Quantity
12-006-901	Standard Mini-Centrifuge	Ea.

## Fisher Scientific™ Mini Plate Spinner Centrifuge

- Speed: 2500rpm
- Capacity: 2 plates
- Weight: 3.5 lbs
- Dimensions: 6" x 6" x 7"
- Exceptionally small footprint
- Rotor designed for rapid start to stop



Cat. No.	Description	Quantity
14-100-143	120V	Ea.
14-100-141	230V	Ea.

Microcentrifuges

## Fisher Scientific™ accuSpin™ Micro 17/ Micro 17R Microcentrifuges

- Capacity: 48mL (24 × 1.5/2.0mL tubes)
- Maximum speed/RCF: 13,300rpm/17,000 × G
- Ventilated or refrigerated models
- Easy-to-use controls with digital display
- Adjustable 99 minute timer and quick-spin feature for short runs
- Memory retains last setting for repeatable runs
- Supplied with rotor and biocontainment lid



Cat. No.	Description	Quantity
13-100-676	accuSpin Micro 17, Refrigerated, 120V	Ea.
13-100-675	accuSpin Micro 17, Ventilated, 120V	Ea.

Counting Devices

Calculators

## Fisher Scientific™ Pocket-Sized Scientific Calculator

- Statistical features include standard deviation, mean, sum of squares, sum of data and much more
- Easy-to-use, raised keys and large, easy-to-read, 0.25"H (0.6cm), 10-digit, two-digit exponent LCD
- Three-key memory and "Forever Memory" store data when the unit is off
- Automatic power-down function conserves battery life



Cat. No.	Description	Quantity
12-099-21	12.7L × 7.6W × 1.3cm H; Weight: 43g	Ea.

Counting Devices

## Fisherbrand™ Hand Tally Counter

- Tallies up to 9999; compact
- Chrome-finished metal construction for reliability, long life, and hard usage



Cat. No.	Description	Quantity
07-905-6	Tallies to 9999	Ea.

Dispensers - Liquid

Bottletop Diluter and Dispenser Accessories

## Fisherbrand™ Bottle-Top Dispenser Anti-tip Reservoirs

- Amber borosilicate glass
- Low profile and wide footprint for extra stability



Cat. No.	Description	Quantity
03-692-182	Capacity: 1.4L	Ea.
03-692-183	Capacity: 2.5L; Requires 45mm adapter	Ea.

Dispensers

## Fisherbrand™ Bottle-Top Dispensers

- Precision valve mechanism ensures easy priming and minimum reagent waste, with no leakage back to the reservoir
- Polypropylene protection sleeve surrounds the borosilicate glass barrel
- Antidrip taps prevent accidental dispensing
- Spring-lock provides quicker, more accurate volume selection
- Dispenser head can be rotated 360° for convenient dispensing and volume adjustment



Cat. No.	Description	Quantity
03-692-177	Range: 0.05 to 2.5mL; Increments: 0.05mL	Ea.
03-692-178	Range: 0.1 to 5mL; Increments: 0.1mL	Ea.
03-692-179	Range: 0.2 to 10mL; Increments: 0.2mL	Ea.
03-692-180	Range: 1 to 30mL; Increments: 1mL	Ea.
03-692-181	Range: 1 to 50mL; Increments: 1mL	Ea.

**Electrophoresis Systems**

**Power Supplies - Electrophoresis**

## FisherBiotech™ Electrophoresis Power Supplies

### Key Features

- Choice of operating modes—constant voltage or constant current output modes with automatic crossover between modes; programmable models add a constant power mode Automatic shutoff (at run's end) saves time, energy and reduces errors Automatic recovery (after power failure) eliminates need to restart the unit



Cat. No.	Description	Quantity
<b>120V</b>		
FB200Q	Maximum voltage: 200V	Ea.
FB300Q	Maximum voltage: 300V	Ea.
FB1000Q	Maximum voltage: 1000V	Ea.
<b>240V</b>		
FB1000-1Q	Maximum voltage: 1000V	Ea.
<b>120V</b>		
FB3000Q	Maximum voltage: 3000V	Ea.
<b>240V</b>		
FB300-1Q	Maximum voltage: 3000V	Ea.
FB3000-1Q	Maximum voltage: 3000V	Ea.

**Heaters**

**Dry Blocks or Equipment Dry Blocks**

## Fisher Scientific™ Isotemp™ Heating Blocks

- Solid aluminum construction
- Sample wells are shaped so that heat is evenly transmitted to all parts of the sample tube
- Shape also eliminates the temperature gradient that may invalidate tests



Cat. No.	Description	Quantity
11-715-321Q	For 12 × 12.5mm Square Cuvets	Ea.
11-718-9Q	For 20 × 1.5mL tubes	Ea.
11-718-23Q	For 30 × 0.5mL tubes	Ea.
11-715-319Q	For 6 × 25mm tubes	Ea.
11-715-317Q	For 8 × 20mm tubes	Ea.
11-715-313Q	For 12 × 15-16mm tubes	Ea.
11-715-309Q	For 22 × 12-13mm tubes	Ea.
11-715-307Q	For 24 × 10mm tubes	Ea.
11-715-305Q	For 30 × 6mm tubes	Ea.
11-473-71	For 4 × 50mL conical-bottom tubes	Ea.
11-473-70	For 12 × 15mL conical-bottom tubes	Ea.
11-718-22Q	For 14 tubes (6 × 6mm, 5 × 13mm, 3 × 25mm)	Ea.
11-718-32Q	For microtiter plate; occupies two-block space	Ea.

**Hoods and Enclosures**

**Ductless Enclosures**

## Fisherbrand™ SHUR/Clean™ Active Sloped-Front Fume Hoods for Coverslipping

- Microprocessor controlled
- Double-hinged sash
- Two prefilters for particulate removal and two carbon filters for fume containment
- Two constant-speed 174 cfm blowers
- Face velocity: 90 fpm with sash completely down
- 22" fluorescent 13W T-5 bulb
- External dimensions: 36W × 20D × 28"H (91 × 51 × 71cm)
- Internal dimensions: 34W × 19D × 19"H (86 × 48 × 48cm)
- Weight: 67 lb. (31kg)
- Model SC-36S-X (for Coverslipping): contains two carbon filters (SC-36S-XF) for xylene fume containment



Cat. No.	Description	Quantity
22-047-203	Fume Hood, 110-115 VAC	Ea.
22-047-204	Fume Hood, 220-240 VAC	Ea.
22-047-205	Replacement Filter	2/Pk.

## Fisherbrand™ SHUR/Clean™ Active Sloped-Front Fume Hoods for Grossing

- Microprocessor controlled
- Double-hinged sash
- Two prefilters for particulate removal and two carbon filters for fume containment
- Two constant-speed 174 cfm blowers
- Face velocity: 90 fpm with sash completely down
- 22" fluorescent 13W T-5 bulb
- External dimensions: 36W × 20D × 28"H (91 × 51 × 71cm)
- Internal dimensions: 34W × 19D × 19"H (86 × 48 × 48cm)
- Weight: 67 lb. (31kg)
- Model SC-36S-F (for Grossing): contains two carbon filters (SC-36S-FF) for formaldehyde fume containment



Cat. No.	Description	Quantity
22-047-201	110-115VAC	Ea.
22-047-202	220-240VAC	Ea.
22-047-206	Replacement Filter	2/Pk.

## Fisherbrand™ SHUR/Clean™ Passive Open-Front Fume Hoods

- Requires ducting to HVAC system by user
- Top (-TV) or rear (-RV) 6" O.D. exhaust ports
- Accommodates the TBS SHUR/Wave microwave tissue processor



### 36" Model

- External dimensions: 36W × 26D × 28"H (91 × 66 × 71cm)
- Internal dimensions: 34 × 25 × 27" (86 × 64 × 69cm)
- Weight: 26 lb. (12kg)
- Accommodates the following number of reagent bowls when used with Microwave Tissue Processor and optional Reagent Bowl Shelf (22047211): 4 large, 4 med. or 4-6 small bowls

### 48" Model

- External dimensions: 48W × 26D × 28"H (122 × 66 × 71cm)
- Internal dimensions: 46 × 25 × 27" (117 × 64 × 69cm)
- Weight: 32 lb. (15kg)
- Accommodates the following number of reagent bowls when used with Microwave Tissue Processor and optional Reagent Bowl Shelf (22047212): 8 large, 8 med. or 10 small bowls

Cat. No.	Description	Quantity
<b>Top Exhaust Ports</b>		
22-047-207	36 in.	Ea.
<b>Rear Exhaust ports</b>		
22-047-208	36 in.	Ea.
<b>Top Exhaust Ports</b>		
22-047-209	48 in.	Ea.
<b>Rear Exhaust Ports</b>		
22-047-210	48 in.	Ea.
<b>Reagent Bowl Shelf</b>		
22-047-211	36 in. Fume Hood	Ea.
22-047-212	48 in. Fume Hood	Ea.

## Fisherbrand™ SHUR/Clean™ Passive Sloped-Front Fume Hoods

- Double-hinged sash
- 22" fluorescent 13W T-5 bulb
- Requires ducting to HVAC system by user
- Top (-TV) or rear (-RV) 6" O.D. exhaust ports



### 36" Model

- External Dimensions: 36W × 22D × 22"H (91 × 57 × 55cm)
- Internal Dimensions: 34 × 20 × 19" (86 × 51 × 49cm)
- Weight: 31 lb. (14kg)

### 48" Model

- External Dimensions: 48W × 20D × 28"H (122 × 51 × 71cm)
- Internal Dimensions: 46 × 19 × 19" (117 × 48 × 48cm)
- Weight: 37 lb. (16kg)

Cat. No.	Description	Quantity
<b>Top Exhaust Ports</b>		
22-047-213	36 in.	Ea.
<b>Rear Exhaust Ports</b>		
22-047-214	36 in.	Ea.
<b>Top Exhaust Ports</b>		
22-047-215	48 in.	Ea.
<b>Rear Exhaust Ports</b>		
22-047-216	48 in.	Ea.

## Hoods and Enclosures

## Fisher Scientific™ PCR Workstation

- Variable digital timer for UV exposure with eight settings: 5, 10, 15, 30, 60, 120, 240 min. and continuous
- Removable safety panel closes sash opening to allow UV light to operate
- Fluorescent lamp and 254nm UV lamp with three-way switch (fluorescent, UV and off)
- 9.4"-high sash opening
- Ergonomic 10°-angled hinged sash pivots upward, locks to a loading height of 20"
- 99.99%-efficient HEPA filter and disposable prefilter
- Built-in blower with motorized impeller and solid-state speed control
- Minihelic™ pressure gauge
- Air diffuser
- Blower switch
- Type 304 polished stainless-steel work surface
- White dry-powder, epoxy-coated aluminum and steel construction
- UV-resistant 0.25"-thick clear tempered safety glass sash and side
- Two rear utility ports with iris openings and plugs



Cat. No.	Description	Quantity
<b>2 ft. wide</b>		
09-681-202	115V 60Hz 3A, 83w	Ea.
09-681-203	230V 50Hz 2A, 45w	Ea.
<b>3 ft. wide</b>		
103-603-08	115V 60Hz 3A, 108w	Ea.
103-603-09	230V 50Hz 2A, 60w	Ea.

## Hotplates

### Standard Heating Hotplates

## Fisher Scientific™ Isotemp™ Basic Hotplates

- Easy-to-set analog temperature control knob with graduated scale
- LED display
- Top plate and base design diverts liquids away from internal electronics
- Safety warning system with visual alert protects user from accidental burns
- Incorporated base mount holds support rods up to 13mm diameter—ideal when using thermometers or pH probes



Cat. No.	Description	Quantity
<b>Aluminum top</b>		
11-200-49H	7 × 7 in., 120V 60Hz	Ea.
11-202-49H	7 × 7 in., 230V 50/60Hz	Ea.
<b>Ceramic top</b>		
11-100-16H	4 × 4 in., 120V 60Hz	Ea.
11-102-16H	4 × 4 in., 230V 50/60Hz	Ea.
11-100-49H	7 × 7 in., 120V 60Hz	Ea.
11-102-49H	7 × 7 in., 230V 50/60Hz	Ea.
11-100-100H	10 × 10 in., 120V 60Hz	Ea.
11-102-100H	10 × 10 in., 230V 50/60Hz	Ea.

Hotplates

## Fisher Scientific™ Basic Stirring Hotplates

- Solid ceramic top plate cleans easily, resists acids and alkalis
- Top plate design reduces chance of breakage
- Spillaway design diverts spills away from internal components
- Integral ring-stand holder accommodates 0.5" (1.3cm) diameter support rod



Cat. No.	Description	Quantity
11-520-16SH	Overall dimensions: 7.9 × 5.7 × 5 in.	Ea.
11-520-49SH	Overall dimensions: 11.1 × 8.3 × 5.1 in.	Ea.

## Fisher Scientific™ Isotemp™ Basic Stirring Hotplates

- Fit virtually anywhere in lab
- Easy to set analog temperature control knob with graduated scale
- LED display
- Top plate and base design diverts liquids away from internal electronics
- Safety warning system with visual alert protects user from accidental burns
- Redundant temperature control systems for overtemperature protection
- Incorporated base mount holds support rods up to 13mm diameter—ideal when using thermometers or pH probes
- Variable analog stirring control to 1200rpm
- INSTANT-ON feature begins stirring at low 60rpm to prevent splashing
- Direct-drive motor/magnet system runs silently



Cat. No.	Description	Quantity
<b>Aluminum top</b>		
11-200-49SH	7 × 7 in.; 120V 60Hz	Ea.
11-202-49SH	7 × 7 in.; 230V 50/60Hz	Ea.
<b>Ceramic top</b>		
11-100-16SH	4 × 4in.; 120V 60Hz	Ea.
11-102-16SH	4 × 4in.; 230V 50/60Hz	Ea.
11-100-49SH	7 × 7in.; 120V 60Hz	Ea.
11-102-49SH	7 × 7in.; 230V 50/60Hz	Ea.
11-100-100SH	10 × 10in.; 120V 60Hz	Ea.
11-102-100SH	10 × 10in.; 230V 50/60Hz	Ea.

## Fisher Scientific™ Isotemp™ Digital Stirring Hotplates

### Operating Features

- Compact design with ceramic or aluminum top plate
- LED displays actual and setpoint readings
- Temperature is adjustable in 1°C increments, 0.1°C for temperatures below 100°C with remote temperature probe
- User-programmable timer automatically shuts off unit—perfect for timed experiments
- “Favorites” feature allows users to store three commonly used settings
- Separate LED displays for temperature and speed (actual or setpoint)
- Direct-drive motor/magnet system runs silently
- Variable stirring control from 60 to 1200rpm



Cat. No.	Description	Quantity
<b>Aluminum-top stirring hotplate</b>		
11-400-49SHP	120V 60Hz	Ea.
<b>Ceramic -top stirring hotplate</b>		
11-300-49SHP	120V 60Hz	Ea.
11-302-49SHP	230V	Ea.

Incubators

Carbon Dioxide Incubators

## Fisher Scientific™ Isotemp™ CO<sub>2</sub> Incubators

### Selection, high capacity, heavy-duty design

- Choice of Water-Jacketed (WJ) and Direct Heat (DH) technology
- Flexibility you can depend on for growing cells
- Select Thermal Conductivity (T/C) or Infrared (IR) sensors to serve your applications
- High-capacity 6.5 cu. ft. (184L) chamber
- Heavy-duty stainless-steel shelves support a full load of samples
- Precise temperature control and stability of all culture parameters



### Peace of mind

- Provide stable temperature, humidity and CO<sub>2</sub> level for maximum cell growth
- Low and high CO<sub>2</sub> alarms, plus power interruption and temperature deviation alarms

### Ease of Use

- Easy-to-clean polished stainless-steel interior with coved corners
- Shelves and supports are easily removed without tools
- Microbiological filters protect gas inlet and sample port
- Easy-to-use display and alarm settings

Cat. No.	Description	Quantity
<b>Direct-Heat</b>		
13-255-28	IR sensor, RH Display; 120V, 50/60Hz, 2.4A	Ea.
13-255-27	TC sensor, RH Display; 120V, 50/60Hz, 2.4A	Ea.
<b>Water-Jacketed</b>		
13-255-26	IR sensor, RH Display; 120V, 60Hz, 3.6A	Ea.
13-255-25	TC sensor, RH Display; 120V, 60Hz, 3.6A	Ea.



## Fisher Scientific™ Isotemp™ Direct Heat CO<sub>2</sub> Incubators

- Heaters surround all sides of the outer chamber wall, providing uniform heating and fast recovery times after door openings
- Fan-assisted directed airflow efficiently circulates critical temperature, gas, and humidity to provide uniform growth
- Choice of TC or IR CO<sub>2</sub> sensors, positioned directly in the chamber for precise control
- In-chamber HEPA filtration system protects from contamination during routine access
- Achieves Class 100 cleanroom air quality within five minutes after door closing



Cat. No.	Description	Quantity
20-235-33	IR CO <sub>2</sub> Sensor	Ea.
20-235-32	TC CO <sub>2</sub> Sensor	Ea.

### Dry Bath Incubators

## Fisher Scientific™ Isotemp™ Analog Dry Bath Incubators, International

- Number of block configurations meet the needs of virtually any application
- Compact design is ideal for tight space locations
- Feature bimetallic dual thermostat control
- Powder-coated steel body construction ensures durability
- Chemically resistant design meets the needs of the laboratory environment



Cat. No.	Description	Quantity
17-151-454		Ea.

## Fisher Scientific™ Isotemp™ Digital and Analog Dry Bath Incubators

- Exceptional temperature control and uniformity
- Temperature range of 5°C above ambient to 130°C
- Powder-coated steel body construction provides durability for demanding applications
- Compact design saves valuable bench space
- Choice of interchangeable heating blocks



Cat. No.	Description	Quantity
<b>Analog</b>		
11-718Q	1-block	Ea.
11-718-2Q	2-block	Ea.
<b>Digital</b>		
11-715-125DQ	2-block	Ea.
11-715-145DQ	4-Block Model 145DQ; 14-7/16L × 10-13/16 × -5/16 in.H; 120V 50/60Hz, 2.5A, 300w	Ea.
<b>Economical</b>		
11-718-4Q	3-Block Dry Bath; 9.1L × 11.25W × 3.4 in.H; 120V 50/60Hz, 1.67A, 200w	Ea.
11-718-6Q	4-Block Dry Bath; 12.4L × 8.3W × 3.4 in.H; 120V 50/60Hz, 2.5A, 300w	Ea.
11-718-8Q	6-Block Dry Bath; 12.9L × 11.25W × 3.4 in.H; 120V 50/60Hz, 3.33A, 400w	Ea.

### Low Temperature Incubators

## Fisher Scientific™ Isotemp™ BOD Refrigerated Incubators

- -10° to +50°C range (14° to 122°F); uniformity, ±0.5°C at 20°C
- Capacity: 20 cu. ft. (566.3L)
- Total shelf area: 15.8 sq. ft. (1.6m<sup>2</sup>), plus 5 sq. ft. (0.5m<sup>2</sup>) of on-door storage
- Microprocessor controlled: push-button temperature setpoint, high/low-temperature protection, easy-to-read digital display, simple front-panel calibration
- Side-mounted jacks for analog recorder output; rear port for auxiliary equipment in chamber
- Steel exterior, white powder-coated finish; porcelain-steel interior
- Ductwork allows forced air convection
- Six zinc-chromate shelves with stainless-steel supports
- Magnetic door gasket, door lock
- Interior light
- Air circulator



Cat. No.	Description	Quantity
3720	Temperature ranges: -10deg. to +50deg.C; 120V, 7.0A	Ea.

## Fisher Scientific™ Isotemp™ Undercounter BOD Refrigerated Incubator

- Range: -10° to +60°C (14° to 140°F); stability, ±0.2°C; uniformity, ±1°C
- Door-mounted microprocessor controller, LED display with readout to 0.1°C
- Chamber safety thermostat set at 62°C; alarm LED alerts to over/under temperature
- Compressor overload relay, RTD temperature probe and protected set point mode
- White plastic interior/white enamel steel exterior, foamed polyurethane insulation; door opening from left
- 2A Convenience outlet inside chamber
- Two bottom rollers for easy installation and leveling



Cat. No.	Description	Quantity
97-990E	115V 60Hz, 6A	Ea.
97-995EN	230V 50Hz, 4A	Ea.

## Fisher Scientific™ Isotemp™ Standard Lab Incubators

Cat. No.	Description	Quantity
<b>Small</b>		
11-690-626D	Chamber capacity: 2.5 cu. ft.	Ea.
<b>Large Model</b>		
11-690-651D	Chamber capacity: 5.0 cu. ft.	Ea.

## Fisher Scientific™ Isotemp™ Standard Lab Incubators

### Easy to operate

- Microprocessor control
- Controls are conveniently located at the top of the incubator chamber
- Keypad with arrow keys to increase or decrease set point temperature in 0.1°C increments
- Overtemperature value is automatically set at 3°C above setpoint
- PID controller comes with fixed parameters so no tuning is required
- Circuit breaker protects incubator from power surges; battery backup
- Designed to stack two units



### Big three-character LED display

- Digits display actual temperature to nearest 0.1°C
- Display shows current value for set point temperature
- HEAT indicator light cycles on and off to show when incubator heaters are on
- ALARM indicator lights up if temperature exceeds overtemperature limit; backup controller maintains temperature at 3°C above setpoint; safety backup built into software

### Small, medium and large workload capacities

- Available in three chamber capacities
- Mounting holes at 2" (5cm) intervals on the chamber walls for shelf placement
- Small incubator holds a maximum of five shelves, medium incubator holds eight, and large incubator holds eleven

### Low-maintenance incubators with inner and outer doors

- Cabinet has durable, enamel-coated steel exterior
- Extruded aluminum trim has acrylic powder coating
- Chamber is easy-to-clean stainless steel
- Low-watt-density heater elements are designed for long life
- Silicone gasket on outer door and 3" thick (7.6cm) fiberglass insulation throughout prevent heat loss
- Outer door opens to 180° for unhindered access and features two grabber-type latches
- Inner door is tempered glass
- Steel shelves are 17.37" wide and 16.75" front-to-back (44 × 42.5cm)
- Black synthetic rubber feet keep incubator from slipping and maintain a space between incubator and benchtop for ventilation

Cat. No.	Description	Quantity
<b>Medium</b>		
11-690-637D	Chamber capacity: 3.75 cu. ft.	Ea.
<b>Large</b>		
11-690-650D	Chamber capacity: 5.0 cu. ft.	Ea.

## Lamps

### General Purpose Lamps

## Fisherbrand™ Tube Agglutination Viewer

- Designed for use in the following applications: blood typing, crossmatching, prothrombin time, Kahn and other agglutinations, flocculation, and serodiagnostic tests
- Illuminates test tube contents through the use of a 5-watt bulb from above and a magnifying mirror from below
- Easy to use side-mounted ON/OFF switch
- Flexible neck allows for easy manipulation of light source



Cat. No.	Description	Quantity
22-363-560	5 Watt bulb w/magnifying mirror	Ea.

### Microscopy Illuminators

## Fisher Scientific™ LED Light Source

- 24 LEDs for ultra-intensity illumination Bright white color temperature
- Variable intensity control
- 50,000 hour LED bulb life
- Cool, quiet, vibration-free operation Small footprint



Cat. No.	Description	Quantity
12-563-501	With weighted base	Ea.

**Microplate Washer Accessories**

## Fisher Scientific™ Wellwash™ and Wellwash™ Versa™ Microplate Strip Washer Accessories

- Substitute bottles of different sizes for added convenience
- Wash and waste bottles include liquid level sensors
- Aerosol cover prevents aerosols of infectious diseases from spreading
- 4L wash and 9L waste bottles available for automation applications

Cat. No.	Description	Quantity
14-430-218	Aerosol cover	Ea.
14-430-217	Aerosol cover, Wellwash	Ea.
14-430-211	2L rinse bottle	Ea.
14-430-223	2L spare bottle	Ea.
14-430-207	2L wash bottle	Ea.
14-430-209	2L wash bottle A	Ea.
14-430-210	2L wash bottle B	Ea.
14-430-208	2L waste bottle	Ea.
14-430-215	4L rinse bottle, round	Ea.
14-430-224	4L spare bottle, round	Ea.
14-430-212	4L waste bottle, square	Ea.
14-430-213	4L wash bottle A, round	Ea.
14-430-214	4L wash bottle B, round	Ea.
14-430-216	9L waste bottle, rectangular	Ea.
14-430-219	Bottle stand 1 × 2 configuration (2 × 2L bottles)	Ea.
14-430-221	Bottle stand 1 × 4 configuration (3 × 2L bottles, 1 × 4L bottle, square)	Ea.
14-430-220	Bottle stand 2 × 2 configuration (3 × 2L bottles, 1 × 4L bottle, square)	Ea.
14-430-222	Bottle stand for user bottles	Ea.
14-430-202	1 × 8 wash head	Ea.
14-430-203	1 × 12 wash head	Ea.
14-430-205	1 × 16 wash head	Ea.
14-430-204	2 × 8 cell wash head	Ea.
14-430-206	Blank wash head	Ea.

**Microplate Washers**

## Fisher Scientific™ Wellwash™ Microplate Washers

**Easy and convenient to use**

- Large color display and keyboard for easy, convenient use
- Display is clear, showing everything needed on one display
- User interface is logical and intuitive, and allows protocols to be developed fast, making it easy to get started with the software; software requires minimal training



**Reliable and secure performance**

- Unpressurized bottles are safe and secure to use
- Liquid level sensors provide security for both wash and waste bottles
- Automatic rinse and prime features assure safe performance
- Aerosol cover prevents aerosols of infectious diseases from spreading
- Plate sensor recognizes if plate is present

**Optimal washing performance**

- Sweep mode assures an extremely low residual volume in the well, resulting in reliable assay results
- Washing performance is further optimized by adjustable parameters such as dispense and aspiration height, and aspiration speed

Cat. No.	Description	Quantity
14-430-200	Wellwash	Ea.
14-430-201	Wellwash Versa	Ea.

**Microscope Accessories and Supplies**

**General Microscope Accessories**

## Fisherbrand™ Bibulous Paper for Drying Slides

- Sheets measure 6 × 4" (15 × 10cm)
- 50 Sheets per book, neatly bound with heavy paper covers



Cat. No.	Description	Quantity
11-998	6 L × 4 in. W	12/Pk.

## Fisherbrand™ Optical Lens Cleaner

- Laboratory safe Nonflammable



Cat. No.	Description	Quantity
22-143-974	Optical lens cleaner; 2 oz. (59mL)	6/Pk.

**Microscope Slide Holders**

## Fisherbrand™ Cardboard Tray for 20 Slides

- Heavy reinforced cardboard tray holds 3 × 1" or 75 × 25mm slides
- Spaces numbered to correspond with index on outside
- Doors are hinged for 360° opening; they do not lie directly on slides when closed



Cat. No.	Description	Quantity
12-587-10	Cardboard tray for 20 Slides	Ea.

## Fisherbrand™ Color-Coded ABS Plastic Boxes for 25 or 100 Slides

- Hold 3 × 1" and 75 × 25mm slides
- Numbered slide partitions correspond to numbered index card in lid
- Stackable
- 100-Slide box comes with hinged lid



Cat. No.	Description	Quantity
03-448-6	Holds 25 Slides; Color: Blue	Ea.
03-448-10	Holds 25 slides; White	Ea.
03-448-1	Holds 100 slides; Blue	Ea.
03-448-2	Holds 100 slides; Green	Ea.
03-448-3	Holds 100 Slides; Color: Red	Ea.
03-448-5	Holds 100 Slides; Color: White	Ea.
03-448-4	Holds 100 Slides; Color: Yellow	Ea.

## Fisherbrand™ Microscope Slide Box

- Capacity for twenty-five (25) 3 × 1" or 75 × 25mm standard slides
- Tight-fitting lid protects slides and prevents dust accumulation
- Durable molded black plastic construction
- Preprinted index card in lid for easy slide identification
- Front has tab area (tab included) for additional identification
- Base has interlocking grooves for stacking several units
- Slides stay securely in place with numbered slide partitions



Cat. No.	Description	Quantity
22-363-400	Fisherbrand Microscope Slide Box	10/Pk.

## Fisherbrand™ Microscope Slide Folder

- Plastic slide trays
- Horizontal compartments
- For 76 × 26mm slides



Cat. No.	Description	Quantity
22-244-026	Tissue Path Slide Folder	Ea.

## Fisherbrand™ Polystyrene Microscope Slide Storage Box

- Holds 3 × 1" slides in individual slots
- Base has cork pads that are numbered from one to 100. Numbered index inside cover
- Secure spring latch and steel-pin hinges for rigidity
- Durable, economical slide protection
- Color: Black



Cat. No.	Description	Quantity
22-267-294	Capacity: 100 Slides; Color: Black	Ea.

**Microscope Slide Storage Cabinets**

## Fisherbrand™ Modular Microslide Storage System

### Fully modular system for long-term storage

- For 3 × 1" or 75 × 25mm slides
- Stores up to 100 slides per tray; each drawer holds up to 10 trays
- Available as complete five-drawer system or as individual components



### Complete Storage System

- Includes five slide drawers, one drawer cover and locking connectors
- Holds up to 5000 slides in less than 4.5 cu. ft. (0.13m<sup>3</sup>)
- Trays and wheels sold separately (see below)
- System is 16.5L × 16.5W × 30.75"H (42 × 42 × 78cm)

### Slide Drawer

- Holds up to 10 slide trays
- Can be stacked and locked for custom-designed storage
- Without cover; one 12-574-6 cover required per stack

### Slide Drawer Cover

- Protects slide trays in drawer
- One required for each single drawer or top of stack

### Slide Tray

- Holds up to 100 slides vertically
- Made of tough ABS plastic
- Location of each slide up to 100 can be identified by a number molded into slide slot in the tray
- 1.5L × 14W × 4"H (4 × 36 × 10cm)
- Without cover; order 12-574-11 separately
- Numbered

### Cover for Slide Tray

- Protects slides from dust and dirt
- Clear polystyrene for full visibility

Cat. No.	Description	Quantity
12-574-10	Slide Tray; holds 100 slides	2/Pk.
12-574-11	Slide Tray Cover 2/pk	2/Pk.

Microscope Accessories

## Fisherbrand™ Microscope Slide Boxes with Numbered Slots

- Hold 3 × 1" or 75 × 25mm slides
- 25- and 100-slide capacity



Cat. No.	Description	Quantity
03-446	Polypropylene; Capacity: 100 Slides	Ea.

Microscopes

Compound Microscopes - Upright Digital

## Fisher Scientific™ Micromaster™ II Digital/Video Microscopes

Components

- **Eyepiece:** 10X wide-field, 18mm field of view
- **Head:** 30° inclination; adjusts for interpupillary and dioptic differences
- **Nosepiece:** reversed quadruple nosepiece
- **Objectives:** Brightfield Micromaster II, Achromatic 4X/10X/40X/100X oil DIN standard; Phase Contrast Micromaster II, Phase Contrast Achromatic 10X/20X/40X/100X oil DIN standard
- **Stage:** 125 × 135mm mechanical stage with removable spring-clip slide holder
- **Focus:** coaxial focus system with tension adjustment and up-limit coarse focus
- **Condenser:** 1.25 N.A. Abbe condenser, fitted with an iris diaphragm
- Choice of brightfield or phase contrast configurations



Cat. No.	Description	Quantity
12-563-313	Brightfield	Ea.
12563322	Brightfield with LCD	Ea.
12-563-314	Phase contrast	Ea.
12-563-323	Phase contrast with LCD	Ea.

Microscopes

## Fisher Science Education™ Intermediate Compound Microscope

FEATURES

- 10X wide-field eyepiece, locked to prevent accidental damage
- Pointer included
- Dual focusing controls
- Locked-on stage clips
- Condenser: 5-position rotatable disc diaphragm



HIGHLIGHTS

- Slip clutch protects focusing mechanism
- Eco-friendly design, with LED illumination (50,000 hr. bulb life) and low power consumption
- Adjustable viewing angle (incline body tube)

Cat. No.	Description	Quantity
S90002	Ecofriendly w/LED Illumination	Ea.

## Fisher Science Education™ Intermediate+ Compound Microscopes

FEATURES

- 10X wide-field DIN eyepiece
- Inclined, rotatable head
- Triple nosepiece with coated 4X, 10X, and 40X achromatic objectives; parfocal and parcentered
- Models with tungsten illuminator contain a built-in blue filter for improved resolution
- Extra-large, heavy-duty metal base for added stability
- Coarse and fine focus controls
- Retractable-tip 40X objective protects lens and slides
- Condenser: Disc or iris options available



HIGHLIGHTS

- Slip clutch protects focusing mechanism
- Up-stop prevents stage from hitting objectives
- Locked on head, eyepieces, and stage clips for additional security
- CSA-certified cords for safe operation

Cat. No.	Description	Quantity
S90004	Monocular; Fixed stage; Tungsten Lamp	Ea.



## Fisher Science Education™ Primary Compound Microscope

### FEATURES

- 10X eyepiece, locked to prevent accidental damage
- Rotatable monocular head
- All-glass optics
- Dual focusing controls
- Locked-on stage clips
- Condenser: 6-position rotatable disc diaphragm

### HIGHLIGHTS

- Eco-friendly design, with LED illumination (50,000 hr. bulb life) and low power consumption
- AC/DC Power operates either on battery power or while plugged in
- CSA-approved power supply
- Portable, lightweight and compact



Cat. No.	Description	Quantity
S90000	w/10X Eyepiece, Rotatable Monocular Head	Ea.

## Fisher Science Education™ Primary+ Compound Microscopes

### FEATURES

- 10X wide-field eyepiece, locked to prevent accidental damage
- Pointer included
- Rotatable monocular head, portable
- All-glass optics
- Dual focusing controls
- Locked-on stage clips
- Condenser: 6-position rotatable disc diaphragm

### HIGHLIGHTS

- Portable, lightweight and compact
- Slip clutch protects focusing mechanism
- Up-stop prevents stage from hitting objectives



Cat. No.	Description	Quantity
S90001E	For Middle School w/Tungsten Lamp	Ea.

## Fisher Scientific™ Micromaster™ II Microscopes

- **Eyepieces:** 10X wide-field, DIN standard; binocular and trinocular models are equipped with two eyepieces
- **Head:** monocular, binocular, trinocular or dual-viewing configurations; all are interchangeable, rotatable 360°, and inclined at 30°; binocular and trinocular heads adjust for interpupillary distance (55 to 75mm) and dioptic differences
- **Nosepiece:** quadruple reversed nosepiece with precision click stops
- **Objectives:** 4X/0.10 N.A., 10X/0.25 N.A., 40X/0.65 N.A., and 100X retractable DIN standard achromatic objectives produce true color images with sharp focus, are parfocal, parcentered, and coated
- **Stage:** precision-machined 125 × 135mm mechanical stage, chemical-resistant finish, removable spring-clip slide holder
- **Focus:** ergonomically positioned coaxial coarse/fine controls; adjustable safety stop and tension adjustments prevent slide damage and contamination
- **Condenser:** 1.25 N.A. Abbe, iris diaphragm, rack-and-pinion mechanism for precise focusing of light beam; swing-in filter holder and blue filter included
- **Illumination:** variable-intensity 6V 20w quartz halogen lamp; solid-state dimmer
- **Finish:** chemical-resistant baked-on paint with stipple finish to resist fingerprints and smudges



Cat. No.	Description	Quantity
<b>Monocular</b>		
12-561-3M	4X, 10X, 40X	Ea.
12-561-4M	Objectives: 4X, 10X, 40X, 100X oil immersion	Ea.
<b>Dual-view</b>		
12-561-3D	Objectives: 4X, 10X, 40X	Ea.
12-561-4D	4X, 10X, 40X, 100X oil immersion	Ea.
<b>Binocular</b>		
12-561-4B	Objectives: 4X, 10X, 40X, 100X oil immersion	Ea.
<b>Trinocular</b>		
12-561-4T	4X, 10X, 40X, 100X oil immersion	Ea.

## Fisher Scientific™ Micromaster™ Infinity Optics Microscopes

- Choice of brightfield and phase contrast models
- Infinity-corrected optics for consistent image flatness up to F.N. 22
- Extra-large 22mm field of view
- Ergonomically designed inverted Y stand for efficiency, comfort and balanced stability
- Swing-out condenser, five-position reversed nosepiece on brightfield models
- 1.25 N.A. five-position condenser and four-position nosepiece on phase contrast models



Cat. No.	Description	Quantity
<b>Brightfield microscope</b>		
12-564-050	Standard; Binocular head	Ea.
12-564-051	Standard; Trinocular head	Ea.
12-564-054	Digital; Binocular head	Ea.
<b>Phase contrast microscope</b>		
12-564-053	Standard; Trinocular head	Ea.
12-564-055	Digital; Trinocular head	Ea.

## Fisher Scientific™ Micromaster™ Premier Microscopes

- **Head:** 45-degree observation angle with interpupillary and diopter adjustments
- **Eyepieces:** 10X, 20mm widefield with built-in, collapsible eyecups
- **Illumination:** 6V, 20W halogen illumination with easy, pull-out cartridge bulb replacement system
- **Mechanical Stage:** Low-position, X/Y axis mechanical stage
- **Electrical:** 110V to 240V auto-adjustable power supply
- **Carrying Handle:** Built-in carrying handle makes microscope easy to move
- **Focusing Stop:** Factory set and user adjustable to protect slides
- **Collector Lens:** Built-in iris diaphragm and easily removable filter tray



Cat. No.	Description	Quantity
<b>Binocular</b>		
12-561-326	Brightfield; Application: Student	Ea.
12-561-327	Brightfield; Application: Teaching/student	Ea.
12-561-328	Brightfield; Application: Research/teaching	Ea.
12-561-330	Brightfield/Phase contrast; Application: Research	Ea.
<b>Trinocular</b>		
12-561-329	Brightfield; Application: Research	Ea.
12-561-331	Brightfield/Phase Contrast; Application: Research	Ea.

## Ovens Convection Ovens

### Fisher Scientific™ Isotemp™ Premium Lab Ovens



#### Operating Features

- Intuitive microprocessor controls with touch keypad, LED digital display and on-screen prompts
- Variable temperature control from 50° to 275°C in 1°C increments
- Automatic overtemperature protection at 5°C above setpoint with visual alarm
- Last settings retained in memory
- Built-in safety backup and circuit breaker to protect oven from power surges

#### Cabinet Features

- Easy-to-clean stainless-steel chambers
- Enamel-painted steel exterior with coated aluminum trim
- Low-watt-density, longlife heating elements
- Thick 2-1/2" (6.4cm) all-around fiberglass insulation keeps exterior cool
- Gasketed door has stay-cool latch; opens 180° for easy access
- Adjustable chrome-plated steel wire shelves (16-3/4 × 17-3/8" [44 × 42.5cm])
- Nonskid rubber feet elevate cabinet for ventilation

#### Three Sizes

- Small: 2.5 cu. ft. chamber volume; supplied with one shelf (holds up to 5)
- Medium: 3.75 cu. ft.; with one shelf (holds up to 8)
- Large: 5.0 cu. ft.; with two shelves (holds up to 11)

#### Forced-Air Ovens

- Deliver more uniform heating for better temperature control and faster drying
- Blower circulates air throughout chamber; fresh air is mixed in and recirculated
- Used air vented through top of oven

#### Gravity-Flow Ovens

- Vertical airflow for uniform sample heating
- Used air expelled through top-mounted vent

Cat. No.	Description	Quantity
<b>Small</b>		
13-247-725F	Forced Air; 120V	Ea.
13-247-726F	Forced Air; 240V	Ea.
13-247-725G	Gravity Fed; 120V	Ea.
<b>Medium</b>		
13-247-737F	Forced Air; 120V	Ea.
13-247-738F	Forced Air; 240V	Ea.
13-247-737G	Gravity Flow; 120V	Ea.
<b>Large</b>		
13-247-750F	Forced Air; 120V	Ea.
13-247-750G	Gravity Fed; 120V	Ea.

## Fisher Scientific™ Isotemp™ Standard Lab Ovens

- Temperature range: 50° to 225°C (122° to 437°F)
- Three sizes available
- Quick, easy temperature setting
- Backup temperature control
- Fast temperature recovery time
- Indicator lights show which thermostat is controlling oven temperature
- Durable powder-coated steel exterior
- Corrosion-resistant, easy to clean, stainless-steel interior
- Exterior remains at safe temperature
- Adjustable shelf heights
- Oven temperature can be monitored in port on top
- Door opens 180° and features grabber-type latch
- Nonslip black synthetic rubber feet



Cat. No.	Description	Quantity
<b>Small</b>		
13-247-625G	Capacity: 2.5 cu. ft.	Ea.
<b>Medium</b>		
13-247-637G	3.75 cu. ft.	Ea.
<b>Large</b>		
13-247-650G	5.0 cubic ft.	Ea.

### Oven Accessories

## Fisher Scientific™ Isotemp™ Shelves

- Chrome-plated steel, wire-frame style
- No-tip design
- With shelf supports

Cat. No.	Description	Quantity
13-247S	16-3/4 L x 17-3/8 in. W	Ea.

### Vacuum Ovens

## Fisher Scientific™ Isotemp™ Model 281A Vacuum Oven

### Operating Features

- Capacity: 0.65 cu. ft. (0.02m<sup>3</sup>)
- Dial-in temperatures up to 280°C (536°F)
- Maintains 30"Hg (762mm) vacuum with less than 1/2"Hg (12.7mm) loss per day
- Automatic temperature backup control takes over if the temperature rises more than 5°C over setpoint; constancy ±1.0°C at ultimate vacuum; control sensitivity ± 1.0°C; warning light alerts of failure



Cat. No.	Description	Quantity
13-262-51	Standard Capacity 281A, 240V	Ea.

## Fisher Scientific™ Isotemp™ Model 282A Vacuum Oven

### Operating Features

- Capacity: 1.5 cu. ft. (0.04m<sup>3</sup>)
- Temperature range: Ambient to 280°C (536°F)
- Automatic time and temperature control with LED display
- Seven-day programmable timer can cycle the oven on or off up to eight times per day
- Self diagnostics for open thermocouple, shorted triac, open heater, and overtemperature prevention plus panel alert lights
- Built-in safety controller prevents temperature runaway
- Backup thermostat



Cat. No.	Description	Quantity
13-262-52	115V 50/60Hz	Ea.
13-262-53	230V 60Hz	Ea.

### Pipet Fillers

#### Mechanical Pipet Fillers

## Fisherbrand™ Pipet Filler

- Mini button blows out the last drop of liquid from pipet when pipetting—ideal for use with blow-out pipets
- Silicone pipet holder is autoclavable and accommodates pipets from 1 to 100mL
- 0.45µm replaceable, nonsterile membrane filter prevents liquid from entering the unit



Cat. No.	Description	Quantity
03-692-35	Fisherbrand Pipette Controller	Ea.

## Fisherbrand™ Universal Pipet Filler

- Fits pipets from 1 to 25mL
- Precise and accurate pipetting
- Comfortable and simple to use; smooth, controllable thumb action
- Compatible with blow-out, TD (to deliver) or gravity-dispense pipets
- Eliminates the need to use a range of different-sized pipet fillers for a variety of volumes dispensed
- Removable and autoclavable silicone pipet holder
- Acrylic stand available to hold up to five pipet fillers



Cat. No.	Description	Quantity
03-692-350	Pipet Filler	Ea.

Motorized Pipet Fillers

## Fisherbrand™ Motorized Pipet Fillers/Dispensers

- Mode switch enables selection of three aspirate/dispense speeds, all of which are easily controllable by the triggers
- “High” setting to aspirate/dispense at full speed with blowout
- “Low” to aspirate/dispense at reduced speeds with blowout
- “G” to aspirate at reduced speed, dispense by gravity (for pipets designed “To Deliver”)
- Comfortable, concave finger triggers give you additional variable control of pipetting speed at any setting
- **Standard** controller has a streamlined shape to accommodate large or small hands
- Low-profile **Plus** and **Turbo** controllers have traditional pistol-shaped body to permit use in laminar flow hoods or biological safety cabinets
- **Turbo** model adds a powerful, yet quiet motor for faster large-volume pipetting, filling a 25mL pipet in under 3 seconds
- Compatible with glass or plastic pipets from 1 to 100mL



Cat. No.	Description	Quantity
<b>Standard Powerpette</b>		
03-692-171	Blue	Ea.
03-692-175	Blue-Green	Ea.
03-692-176	Mint	Ea.
03-692-174	Mauve	Ea.
03-692-173	Pink	Ea.
03-692-172	Yellow	Ea.
<b>Powerpette Plus</b>		
03-692-164	Blue-Green	Ea.
03-692-167	Turbo: Gray	Ea.
03-692-170	Mint	Ea.
03-692-165	Mauve	Ea.
03-692-169	Pink	Ea.
<b>Powerpette Plus Turbo</b>		
03-692-168	Yellow	Ea.
<b>Powerpette Plus</b>		
03-692-166	Yellow	Ea.

Pipet Fillers

## Fisherbrand™ Bulbs for Small Pipettes

- For medicine droppers and small pipets
- Amber latex
- Dry natural rubber



Cat. No.	Description	Quantity
<b>Latex bulb</b>		
03-448-21	Capacity: 1mL; Length: 1.5 in. (38mm)	72/Pk.
03-448-22	Capacity: 2mL; Length: 2.25 in. (57mm)	72/Pk.

## Fisherbrand™ Dropper Bulbs for Pasteur Pipets



Cat. No.	Description	Quantity
03-448-26	Capacity: 3mL	24/Pk.

## Fisherbrand™ Heavy-Duty Rubber Bulbs for Small Pipettes

- Two rubber valves with PVC connections
- Capacity: 85mL



Cat. No.	Description	Quantity
03-448-34	Capacity: 85mL	Ea.

## Fisherbrand Rubber Bulb-Type Safety Pipet Fillers

- Expel air by squeezing bulb, then draw up liquid by pressing valve “↑” on stem
- To release, press valve “↓” on side of stem
- Fit pipets with O.D. ranging from 0.187 to 0.375” (4.5 to 9mm)
- Flip style pipette fillers enables one handed bulb operation and removal of top white cap to clean out the bulb from inside



Cat. No.	Description	Quantity
13-681-50	Black	Ea.
13-681-51	Red	Ea.

## Fisherbrand™ Safety Bulb Pipet Filler

- Just squeeze bulb and touch to pipet to form a seal
- Let suction draw fluid, then lift bulb away and control fluid level with index finger
- Attaching a pipet does not require twisting bulb—minimizes the possibility of pipet breakage
- Autoclavable



Cat. No.	Description	Quantity
0344823	Red	3/Pk.

## Fisherbrand™ Silicone Bulb-Type Safety Pipet Fillers

- Fill and dispense pipets with one hand
- First expel air by squeezing valve “1” above bulb
- Then draw up liquid by pressing valve “2” on stem
- To release, press valve “3” on side of stem



Cat. No.	Description	Quantity
13681102B	Black	Ea.
13-681-102A	Red	Ea.

### Pipettors - Electronic

#### Single Channel Electronic Pipettors

## Fisherbrand™ Electronic Pipettors

- Clear LCD readout and easy-to-use keypad
- Electronic tip-ejection buttons, located for left- or right-handed operation, eliminate tip release pressure
- User-programmable modes, storable routine pipetting protocols, and fully adjustable speed settings for all operations
- Electronic start button activates all piston actions, reducing strain on thumb joints and carpal tunnel Computerized drive system lets you work more efficiently than with mechanical or other electronic pipettors Replaceable tip cone filter on most models helps minimize risk of internal contamination
- Operations include pipetting, reverse pipetting, pipetting with mixing, pipetting with cycle counter, manual pipetting, multi-dispensing, diluting, diluting with mixing, sequential dispensing, multi-aspirating, and automatic multi-dispensing.
- Can be charged using single-pipettor charging stand, 4-pipettor carousel charging stand, or AC-charging adapter; replacement NiMH battery packs are available (21-390-45)



Cat. No.	Description	Quantity
21-165-81	Single-channel, Vol. Range 50-1000uL, Increment 5uL	Ea.
21-165-82	Single-channel, Vol. Range 100-5000uL, Increment 0.05uL	Ea.

### Pipettors - Manual

#### Single Channel Manual Pipettors - Repeating

## Fisherbrand™ HandyStep™ S Repeating Pipettor

- Comfortable slim design; lightweight; well-balanced
- Smooth dispensing and one handed volume selection
- Reliable robust construction; innovative corrosion-resistant polymers
- Mechanical design (no batteries required)
- Convenient integrated volume table provides a quick reference for dispensed volumes
- Ten tip sizes for 59 different dispense volumes
- Open design allows use of third party tips, no more being locked into a sole source
- Tip ejection system allows user to remove tips without handling



Cat. No.	Description	Quantity
13-668-722	Repeating Pipettor	Ea.

#### Single Channel Manual Pipettors - Variable Volume

## Fisherbrand™ Elite™ Adjustable-Volume Pipettors

- Fully autoclavable—entire pipettor can be steam autoclaved
- Extremely low plunger forces—work longer without fatigue and reduce the risk of RSI
- Soft-touch tip ejection—a gearing mechanism reducing tip ejection force up to 50%
- Ergonomic comfortable lightweight handle—comfortable grip and effortless tip attachment
- Optimal fit with SureOne™ pipettor tips—best pipetting performance
- Super blow-out piston—creates 150% bigger air push than conventional piston for delivery of the micro size drops



Cat. No.	Description	Quantity
FBE00002	0.2-2uL	1/EA
FBE00005	0.5-5uL	1/EA
FBE00010	1-10uL	1/EA
FBE00020	2-20uL	1/EA
FBE00050	5-50uL	1/EA
FBE00100	10-100uL	1/EA
FBE00200	20-200uL	1/EA
FBE01000	100-1000uL	1/EA
FBE05000	0.5-5mL	1/EA
FBE10000	1-10mL	1/EA



Multichannel Manual Pipetters - Variable Volume

## Fisherbrand™ Elite™ Multichannel Pipetters

- 8- and 12-channel pipetters with volume range of 1 up to 300µL
- Fully autoclavable - entire pipetter can be steam autoclaved
- Extremely low plunger forces - work longer without fatigue and reduce the risk of RSI
- Soft-touch tip ejection—a gearing mechanism reducing tip ejection force up to 50%
- Ergonomic comfortable lightweight handle - comfortable grip and effortless tip attachment
- Optimal fit with SureOne pipetter tips - best pipetting performance
- Super blow-out piston - creates 150% bigger air push than conventional piston for delivery of the micro size drops



Cat. No.	Description	Quantity
<b>8-Channel</b>		
FBE800010	Range: 1.0-10uL	1/EA
FBE800050	Range: 5-50uL	1/EA
FBE800100	Range: 10-100uL	1/EA
FBE800300	Range: 30-300uL	1/EA
<b>12-Channel</b>		
FBE1200010	Range: 1.0-10uL	1/EA
FBE1200050	Range: 5-50uL	1/EA
FBE1200100	Range: 10-100uL	1/EA
FBE1200300	Range: 30-300uL	1/EA

Pump Accessories and Replacement Parts

Pump Plunger Assemblies and Parts

## Fisher Scientific™ Maxima™ C Plus Pumps, Standard Exhaust Oil Filter Replacement Elements



Cat. No.	Description	Quantity
01-257-6A	Filter Element For 01 257 5a	Ea.
01-257-6C	Filter Element For 01 257 5c	Ea.

## Fisher Scientific™ Standard Exhaust Oil Filters

- Filter element is easily replaced
- Reorder number located on filter canister



Cat. No.	Description	Quantity
01-257-5A	Fit Models: M2C and M4C; 2.5 dia. × 2.5 in. H	Ea.
01-257-5C	Fit Models: M12C and M16C; 5 dia. × 6.25 in. H	Ea.

Pump Accessories and Replacement Parts

## Fisherbrand™ Tubing for Peristaltic and ICP Pumps and Manifolds



Cat. No.	Description	Quantity
14-190-521	Solva; I.D.: 0.76mm	12/Pk.
14-190-524	Solva; I.D.: 1.14mm	12/Pk.

Pumps

Drum Transfer Pumps

## Fisher Scientific™ Variable-Flow Chemical Transfer Pump

- Direct-drive engineering maximizes power for smooth-rolling pump action
- Pumps fluids from 0.12 to 2.2L/min. with viscosity to 200 centipoise (0.2 Pa-s) and demonstrates suction lift of 10' wet
- Tolerates fluid temperatures from -40° to +93°C (-40° to +200°F)
- Barbed outlet ports accommodate any type of tubing with an inside diameter of 0.2"
- Chemical-resistant, wetted parts are DuPont™ Delrin™, Type 304 stainless steel, Buna N, and PTFE
- Chemical-resistant ABS case
- PURGE/PRIME switch allows for high-speed emptying and filling
- Reverses to expedite tube draining



Cat. No.	Description	Quantity
15-077-67	Chemical Transfer; Variable Flow	Ea.

Peristaltic Pumps

## Fisher Scientific™ Variable-Flow Peristaltic Pumps

- Bidirectional flow with precise measured deliveries
- Excellent flow control and flexibility for transferring and dosing liquids
- Ultralow-, low-, medium-, and medium high-flow models feature flowrates from 0.005 to 600mL/min. and accept up to five different tubing sizes
- Revolution of one roller delivers a precisely measured volume specific to tubing size and motor speed control
- Variable-speed motor control and PURGE/PRIME switch for high-speed emptying and filling
- Reverse mode permits ease in draining tubing
- Three rollers reduce flow pulsation, prevent siphoning, and eliminate the need for check valves
- Packaged in chemical-resistant ABS plastic case
- Autoclavable tubing may be used with fluid temperatures from -62° to +260°C (-80° to +500°F) and is ideal for food, pharmaceutical and other critical solutions



Cat. No.	Description	Quantity
13-876-4	Peristaltic; Ultralow Flow	Ea.
13-876-1	Peristaltic; Low Flow	Ea.
13-876-2	Peristaltic; Medium Flow	Ea.

Syringe Pumps

## Fisher Scientific™ Single Syringe Pump

- Dispensing volume: 10µL to 60mL
- Wide flow range up to 519mL/hour
- High-visibility backlit LCD
- Auto shutoff volume dispense mode
- Fast setup with built-in syringe size table
- Rapid adjustments; fast forward/reverse
- Stall indicator and power failure indicator
- Quick-release drive nut for fast syringe installation and removal
- Guide rod clamp prevents syringe damage
- Durable housing with welded seams



Cat. No.	Description	Quantity
14-831-201	220V/60Hz	Ea.

Vacuum Pumps

## Fisher Scientific™ Maxima™ C Plus Vacuum Pumps

### Design features

- Comes standard with exhaust filter
- Ultimate vacuum to  $1 \times 10^{-4}$  torr
- Convenient carrying handle and nonskid base
- Overload protection on all single-phase models



### Corrosion resistance

- Black oxide coating on pump module, PTFE coated oil case.
- Stainless-steel valves, fasteners, baffle plates, and Viton™ elastomers
- Maxima Vacuum Pump Oil (included) is hydrotreated to minimize aromatics and sulfur, providing good resistance to sludge and varnish formation over time in corrosive environments

### Accepts different size vacuum tubing

- Eliminates need for specialized tubing reducers
- Inlet connection on all pumps accepts two hose I.D. sizes to easily connect either a large or a smaller I.D. hose from the pump to the apparatus

### Easy oil change

- Faucet-style valve opens and closes easily to allow oil to flow out of the case in a steady, controlled manner with minimal mess, see Maxima C Plus Oil
- Oil case is coated with PTFE so that particulates do not cling to the sides of the case

Cat. No.	Description	Quantity
<b>Free air displacement: 1.8cfm</b>		
01-257-77	For 115V 60Hz, single phase	Ea.
01-257-83	For 230V 50Hz, single phase	Ea.
<b>Free air displacement: 2.6cfm</b>		
01-257-78	For 115V 60Hz, single phase	Ea.
01-257-87	M4C, w/explosion-proof motor, 115V	Ea.
<b>Free air displacement: 3.8cfm</b>		
01-257-79	For 115V 60Hz, single phase	Ea.
<b>Free air displacement: 6.1cfm</b>		
01-257-80	For 115V 60Hz, single phase	Ea.
01-257-84	For 230V 50Hz, single phase	Ea.
01-257-88	M8C, w/explosion-proof motor, 115V	Ea.
<b>Free air displacement: 7.7cfm</b>		
01-257-81	For 115V 60Hz, single phase	Ea.
01-257-85	For 230V 50Hz, single phase	Ea.
01-257-89	M12C, w/explosion-proof motor, 115V	Ea.
<b>Free air displacement: 11.3cfm</b>		
01-257-82	For 115V 60Hz, single phase	Ea.
01-257-90	M16C, w/explosion-proof motor, 115V	Ea.

## Fisher Scientific™ MaximaDry™ Oil-Free Vacuum Pumps

- Two-stage vacuum to 1.5 torr
- Withstand aggressive gases and vapors—can be used with aggressive solvents without the risk of damaging the pump
- Single-piece diaphragm and molded pumpheads are made from PTFE to provide corrosion resistance
- High-flow multiport valves are made from tough Kalrez™ elastomers to withstand pumping heavy solvent vapors and liquid condensate without a loss in performance
- Fan-cooled (TEFC) motor is rated for continuous operation and never needs lubrication
- Compact design fits easily on a benchtop or in a fume hood
- Setup and disassembly are quick and easy and do not require any special tools



Cat. No.	Description	Quantity
13-880-14	20L/min Flowrate, 75 torr End Vacuum, 15 psig Max. Pressure, 13.0L × 6.5W × 8.5H, 115V/60Hz, 21 lbs.	Ea.
13-880-15	20L/min Flowrate, 75 torr End Vacuum, 15 psig Max. Pressure, 13.0L × 6.5W × 8.5H, 230V/50Hz, 21 lbs.	Ea.
13-880-16	40L/min Flowrate, 65 torr End Vacuum, 15 psig Max. Pressure, 15.0L × 6.5W × 8.5H, 115V/60Hz, 21 lbs.	Ea.
13-880-18	20L/min Flowrate, 6 torr End Vacuum, 15 psig Max. Pressure, 15.0L × 6.5W × 8.5H, 115V/60Hz, 21 lbs.	Ea.
13-880-19	20L/min Flowrate, 6 torr End Vacuum, 15 psig Max. Pressure, 15.0L × 6.5W × 8.5H, 230V/50Hz, 21 lbs.	Ea.
13-880-22	35L/min Flowrate, 1.5 torr End Vacuum, 15 psig Max. Pressure, 16.0L × 7.0W × 9.0H, 115V/60Hz, 27 lbs.	Ea.
13-880-20	35L/min Flowrate, 6 torr End Vacuum, 15 psig Max. Pressure, 16.0L × 7.0W × 9.0H, 115V/60Hz, 27 lbs.	Ea.
13-880-21	35L/min Flowrate, 6 torr End Vacuum, 15 psig Max. Pressure, 16.0L × 7.0W × 9.0H, 230V/50Hz, 27 lbs.	Ea.

### Refrigerators and Freezers

#### Explosion Proof Freezers

## Fisher Scientific™ Isotemp™ Explosion-Proof Freezers

- Temperature range: -20° to -12°C
- Average temperature stability: ±3°C
- Adjust setpoint while running
- Capacities: 20.6 (583L)
- Manual defrost

#### Safety Features

- Red warning label on front: "Explosion-Proof Freezer" Compressors have enclosed overloads, relays
- Top-mounted, explosion-proof thermostats
- Static hot-wall condensers and evaporators are free of electric fans

#### Construction

- White, baked-on polyester enamel exteriors
- Hinged solid door with key lock
- White epoxy-coated steel interiors with ABS plastic door liner
- CFC-free R404A refrigerant, polyurethane foam insulation



Cat. No.	Description	Quantity
13-986-150	20.6 cu. ft.; -20 to -12deg.C.	Ea.

### Explosion Proof Refrigerators

## Fisher Scientific™ Isotemp™ Explosion-Proof Refrigerator

- Adjustable temperature between 2° and 10°C
- Allows setpoint adjustment while running
- Average temperature stability of ±3°C
- Capacity: 20.6 cu. ft. (583L)
- Manual defrost



#### Safety Features

- Red warning label on front that reads "Explosion-Proof Refrigerator" Compressor with enclosed overload and relay
- Top-mounted, explosion-proof hydraulic thermostat
- Static hot-wall condenser and evaporator free of electric fans

#### Construction

- White, baked-on polyester enamel exterior One hinged solid door with key lock
- White epoxy-coated steel interior with ABS plastic door liner
- CFC-free polyurethane foam insulation and R404A refrigerant
- Four shelves providing 13.5 sq. ft. of storage space

Cat. No.	Description	Quantity
13-986-153	21.0 cu. ft.	Ea.

### Laboratory Freezers

## Fisher Scientific Isotemp General-Purpose Series Lab Freezers

- Capacities from 24 to 48 cu. ft.
- Freezer cabinet range: -12° to -30°C (factory setpoint -30°C)
- Lockable doors are manufactured in durable, stainless steel
- Stainless-steel interior
- Standard access port



Cat. No.	Description	Quantity
11-670-203	24 cu. ft.; Shelves: Gray - 3 Wire; Solid stainless-steel door, single; 115V 60Hz	Ea.

## Fisher Scientific™ Special-Purpose Undercounter Freezers

- Adjustable temperatures from -20° to -15°C (-4° to +5°F)
- Capacity, 5.6 cu. ft. (159L) Manual defrost
- R-134a CFC-free refrigerant
- 360w compressors
- Baked-on, acrylic enamel exterior
- Easy-to-clean formed interior
- Solid door mounted to open from left



Cat. No.	Description	Quantity
97-928-1	Explosion-proof	Ea.

Laboratory Refrigerators

## Fisher Scientific™ General-Purpose Undercounter Refrigerator

- Temperature range: 2° to 7°C (36° to 45°F)
- CFC-free (R134A) refrigerant
- Manual defrost
- 240w compressor
- Static condenser free of electric fans
- Key-locked door with flat door liner, mounted to open from left
- Adjustable, glass shelves
- Seamless, easy-to-clean interior, vacuum-formed from refrigeration-grade plastic
- Exterior baked-on acrylic enamel



Cat. No.	Description	Quantity
97-920-1	Capacity: 5.6 cu. ft.; 120VAC, 60Hz	Ea.

## Fisher Scientific Isotemp General Purpose Series Lab Refrigerators

- Capacities from 12 cu. ft. to 72 cu. ft.
- Range of sizes: from single-door to large capacity, three-door uprights
- Inner cabinet storage: choice of painted or stainless steel interiors
- Available with or without chart recorders



### Performance

- Refrigerator cabinet temperature range: 1 to 12°C (factory setpoint 4°C)
- Digital temperature controller with intuitive interface
- Excellent temperature stability of ±3°C and cabinet uniformity of ±3°C
- High-density, fluorine-free insulation
- Automatic defrost

### Security

- Keyed on/off switch
- Optional chart recorder
- High/low, visual/audio alarms
- Choice of solid or glass lockable doors
- Easily accessible contacts for backup monitoring
- Door ajar alarm (except sliding glass doors)
- Control panel with key lock

### Quality

- Dual-pane glass or stainless steel doors
- High-quality steel exterior
- Choice of painted or stainless steel interior
- Casters for easy mobility with leveling for better stability
- Quiet refrigeration system
- Standard access port

Cat. No.	Description	Quantity
11-670-258	72 cu. ft.; Glass door, triple; Shelves: White - 12 Wire; Fluorescent light	Ea.

## Fisher Scientific™ Isotemp™ General-Purpose Refrigerator

- Thermostat control of temperatures ranging from 1° to 8°C with ±3° stability
- Capacity, 17 cu. ft. (481L) Automatic defrost
- CFC-free (R404A) refrigerant, polyurethane insulation
- White enamel-coated steel cabinet, white epoxy powder-coated steel interior
- Solid door has hinge mechanism that holds door open at 95° angle, closes with a gentle push
- Four adjustable legs ensure cabinet is level on irregular floors
- Five fixed white epoxy-coated steel-wire shelves resist most acids, solvents, and chemicals; provide 13.5 sq. ft. of shelving



Cat. No.	Description	Quantity
13-986-151B	Capacity: 16.7 cu. ft.; 115V, 60Hz	Ea.

## Fisher Scientific™ Special-Purpose Undercounter Refrigerators

- Temperature range: 2° to 7°C (36° to 45°F)
- Capacity: 5.6 cu.ft. (159L)
- CFC-free (R134A) refrigerant
- Manual defrost
- Door has flat liner
- 240w compressor
- Static condenser free of electric fans



### Flammable-Materials Storage Model

- Complies with NFPA Standard Number 99 and OSHA 29CFR1910.308
- Key-locked door
- Aluminum evaporator coil
- Compressor with enclosed overloads, relays, and hydraulic thermostat

### Explosion-Proof Model

- Wiring complies with NEC Articles 500-501 for Class 1, Groups C and D environments
- Compressor has totally enclosed overloads, relays, and wiring
- Enclosed hydraulic thermostat
- Unit must be hardwired to an appropriately rated conduit box

Cat. No.	Description	Quantity
97-950-1	Explosion proof	Ea.

Refrigerators and Freezers

## Fisher Scientific™ Isotemp™ –86°C Ultra-Low Temperature Freezers

- Temperature range: –86° to –50°C
- Capacities: 17.2, 20.2, and 24.4 cu.ft. (487, 572, and 691L)
- Easy-to-read door-mounted LED with touchpad data entry



### Microprocessor Control

- Continuously monitors sensors to ensure proper performance
- Key-operated main power and alarm switch
- Control setpoint in 1°C increments
- Temperature deviation or power failure triggers audible/visual alarms
- LED shows temperature deviation due to power or temperature failure
- Time Delay, Alarm Test, Alarm Reset push-button controls
- Clean Filter, Alarm Battery Low and Voltage indicators
- Voltage Buck/Boost corrects incoming line voltage
- Low Voltage Surge Protection minimizes voltage spikes
- Battery backup supplies control panel in case of power failure

Cat. No.	Description	Quantity
IU1386A	Capacity: 13 cu. ft. (368.1L)	Ea.

## Fisher Scientific™ Isotemp™ Basic –86°C Ultra-Low Temperature Freezers

- Temperature control from –86° to –50°C, adjustable in 1°C increments
- Capacities: 17.2, 20.2, 24.4 cu. ft. (487, 572, 691L)
- Manual defrost



### Microprocessor Controls

- Continuously monitors sensors to ensure proper performance
- Easy-to-read LED mounted on door
- Touchpad data entry
- Key-operated main power and alarm switch
- Control setpoint in 1°C increments; alarm setpoints in 5°C increments
- Temperature deviation or power failure triggers audible/visual alarms
- Alarm Battery Low indicator
- Time Delay feature delays restart after power failure
- Battery backup supplies control panel in case of power failure

Cat. No.	Description	Quantity
<b>Capacity: 13 cu. ft. (368.1L)</b>		
IE1386A	Holds 240 boxes; 115V/60Hz; 16A	Ea.
IE1386D	Holds 240 boxes; 208-230V/60Hz; 12A	Ea.
IE1386V	Holds 240 boxes; 230V/50Hz; 12A	Ea.
<b>Capacity: 17.3 cu. ft. (489.9L)</b>		
IE1786A	Holds 320 boxes; 115V/60Hz; 16A	Ea.
IE1786D	Holds 320 boxes; 208-230V/60Hz; 12A	Ea.
IE1786V	Holds 320 boxes; 230V/50Hz; 12A	Ea.
<b>Capacity: 23 cu. ft. (651.3L)</b>		
IE2386A	Holds 400 boxes; 115V/60Hz; 16A	Ea.
IE2386D	Holds 400 boxes; 208-230V/60Hz; 12A	Ea.
IE2386V	Holds 400 boxes; 230V/50Hz; 12A	Ea.

Shakers

Platform Shaker Accessories

## Fisher Scientific™ Rockers and Wavers Accessories

- Dimpled mat designed to hold tubes and vials of different sizes
- Stacking tray attaches to Open Air Rocker unit to add second tier, mounts 3.5" (8.9cm) above lower tray, includes rubber mat and all hardware



Cat. No.	Description	Quantity
<b>Platform mat</b>		
02-217-735	For use with Rockers	Ea.
02-217-733	For use with Incubating Rockers	Ea.
02-217-734	For use with Incubating Wavers	Ea.
<b>Stacking tray</b>		
02-217-736	For use with Rockers	Ea.

## Fisher Scientific™ Tube Blocks for Incubating/Cooling Mini Shakers

- Modular blocks constructed from solid anodized aluminum block
- Tube close to block walls allow for maximum temperature transfer

Cat. No.	Description	Quantity
<b>Centrifuge tube block</b>		
02-217-719	5-place; For 50mL tubes	Ea.
02-217-718	12-place; For 15mL tubes	Ea.
02-217-723	Combination; For 1.5, 15 and 50mL tubes	Ea.
<b>Microtube block</b>		
02-217-716	20-place; For 1.5mL tubes	Ea.
02-217-717	20-place; For 2mL tubes	Ea.
02-217-715	30-place; For 0.5mL tubes	Ea.
<b>Test tube block</b>		
02-217-722	20-place; For 12 to 13mm standard tubes	Ea.
02-217-721	24-place; For 10mm standard tubes	Ea.
02-217-720	30-place; For 6mm standard tubes	Ea.

## Fisher Scientific™ Tube Racks for Incubating Shakers

- Made from PVC coated steel



Cat. No.	Description	Quantity
<b>Centrifuge tube rack</b>		
02-217-713	12-place; For 50mL tubes	Ea.
02-217-712	35-place; For 15mL tubes	Ea.
<b>Microtube rack</b>		
02-217-708	63-place; For 10 to 13mm tubes	Ea.
02-217-707	70-place; For 1.5 to 2mL tubes	Ea.
<b>Test tube rack</b>		
02-217-709	48-place; For 14 to 16mm tubes	Ea.



## Fisher Scientific™ Vial Blocks for Incubating/Cooling Mini Shakers

- Modular blocks constructed from solid anodized aluminum block
- Tubes close to block walls allow for maximum temperature transfer



Cat. No.	Description	Quantity
<b>6-place</b>		
02-217-732	For 28mm vials	Ea.
<b>8-place</b>		
02-217-730	For 23mm vials	Ea.
02-217-731	For 25mm vials	Ea.
<b>9-place</b>		
02-217-729	For 21mm vials	Ea.
<b>12-place</b>		
02-217-727	For 17mm vials	Ea.
02-217-728	For 19mm vials	Ea.
<b>15-place</b>		
02-217-726	For 16mm vials	Ea.
<b>20-place</b>		
02-217-724	For 12mm vials	Ea.
02-217-725	For 15mm vials	Ea.

### Platform Shakers - Incubated

## Fisher Scientific™ Incubating 3D Shakers

- Microprocessor control provides electronic tilt adjustment from 0 to 20° while unit is operating
- PID temperature controller for precise control from ambient +5° to +65°C
- Easy-to-read, independent LED displays for temperature, speed, tilt-angle and time
- Overload protection by activation of audible and visual signals
- Speed ramping feature to slowly increase speed to desired set-point
- Spill-resistant design
- Timer with audible alarm present



Cat. No.	Description	Quantity
02-217-763	120V 5A, 450w	Ea.
02-217-764	230V 5A, 450w	Ea.

## Fisher Scientific™ Incubating Microplate Shakers

- Features variable speed microprocessor control which displays last set-point
- PID temperature controller for precise control from ambient +5° to +65°C
- Triple eccentric drive with lubricated ball bearings and maintenance free, brushless DC motor
- Easy-to-read, independent LED displays for temperature, speed and time
- Temperature calibration mode to calibrate unit to an external temperature device
- Overload protection by activation of audible and visual signals
- Speed ramping feature to slowly increase speed to desired set-point
- Timer with audible alarm present



Cat. No.	Description	Quantity
<b>With opaque lid</b>		
02-217-759	120V 5A, 450w	Ea.
02-217-760	230V 5A, 450w	Ea.
<b>Without opaque lid</b>		
02-217-757	120V 5A, 450w	Ea.
02-217-758	230V 5A, 450w	Ea.

## Fisher Scientific™ Incubating Mini-Shakers

- Features variable speed microprocessor control
- PID temperature controller for precise control from ambient +5° to +65°C
- Triple eccentric drive with lubricated ball bearings and maintenance free, brushless DC motor
- Easy-to-read, independent LED displays for temperature, speed and time
- Temperature calibration mode to calibrate unit to an external temperature device
- Overload protection by activation of audible and visual signals
- Speed ramping feature to slowly increase speed to desired set-point
- Timer with audible alarm



Cat. No.	Description	Quantity
02-217-753	120V 5A, 450w	Ea.
02-217-754	230V 5A, 450w	Ea.

## Fisher Scientific™ Incubating/Cooling Mini Shakers

- Features variable speed microprocessor control
- PID temperature controller for precise control from ambient +5° to +65°C
- Triple eccentric drive with lubricated ball bearings and maintenance free, brushless DC motor
- Easy-to-read, independent LED displays for temperature, speed and time
- Temperature calibration mode to calibrate unit to an external temperature device
- Overload protection by activation of audible and visual signals
- Speed ramping feature to slowly increase speed to desired set-point
- Timer with audible alarm



Cat. No.	Description	Quantity
02-217-755	120V 2A, 200w	Ea.
02-217-756	230V 1A, 200w	Ea.

## Fisher Scientific™ Microtube Thermal Mixer

- Capacity: 20 × 1.5/2.0mL microtubes
- Speed range: 250 to 1400rpm
- Orbit: 2mm
- Temperature range: Ambient +5° to 100°C
- Temperature stability/uniformity: ±0.2°C/±0.2°C
- Timer: 1 min. to 96 hrs. with auto shutoff (1 min. increments)



Cat. No.	Description	Quantity
15-600-115	Thermal mixer; 115/230V, 60Hz, 0.5A	Ea.

### Platform Shakers - Orbital

## Fisher Scientific™ Multi-Platform Shakers

- Variable shaking speed: 50 to 450rpm
- Holds up to 8.8lbs
- Automatic load balancing system
- Continuous or timed operation with automatic switch-off
- Maximum flexibility with an option of four interchangeable platforms
- Simple set up and easy to operate
- Low voltage power supply provides for safe cold room operation and low energy consumption
- Operating temperature range of 4° to 40°C allows for use in cold rooms or incubators



### Specifications & Ordering Information:

- Platform is not included and must be ordered separately: Universal platform with adjustable bars (Cat. No. 13-687-710), Platform with non-slip rubber mat (Cat. No. 13-687-701), Platform w/clamps for 6 × 250mL flasks/150mL beakers (13-687-702), Platform w/clamps for 12 × 100mL flasks/150mL beakers (13-687-703)

Cat. No.	Description	Quantity
13-687-700	50 to 450rpm	Ea.

## Fisher Scientific™ Personal Microplate Shakers

- Accommodate all microplate styles
- Momentary shaking action
- Variable speed control
- Maintenance-free, brushless DC motor
- Timer (Personal Plus only)
- Low-voltage power supply for added safety
- Washable anti-slip mat
- Operate as microtube shakers with accessory rack



Cat. No.	Description	Quantity
03692194	Personal Shaker Plus w/lid and timer	Ea.
03-692-193	Personal Shaker w/o lid	Ea.
03-692-196	Microtube Rack	Ea.

### Platform Shakers - Rocking

## Fisher Scientific™ Incubating Rockers

- Microprocessor control provides electronic tilt adjustment from 0 to 15° while unit is operating
- Precise speed control provides smooth, low-speed rocking motion down to 1rpm
- PID temperature controller for precise control from ambient +5° to +65°C
- Easy-to-read, independent LED displays for temperature, speed and tilt angle
- Overload protection by activation of audible and visual signals
- Speed ramping feature to slowly increase speed to desired set-point
- Spill-resistant design
- Timer with audible alarm present



Cat. No.	Description	Quantity
02-217-761	120V 5A, 450w	Ea.
02-217-762	230V 5A, 450w	Ea.

## Fisher Scientific™ Open-Air Rocking Shakers

- Microprocessor control provides electronic tilt angle adjustment from 0 to 15° while unit is operating
- Low profile design for easy fit into most fume hoods and incubators
- Precise speed control provides smooth, low-speed rocking motion down to 1rpm
- Easy-to-read, independent LED displays for speed, tilt angle and time
- Overload protection by activation of audible and visual signals
- Speed ramping feature to slowly increase speed to desired set-point
- Spill-resistant design
- Timer with audible alarm present
- Operating conditions: 5° to 40°C (41° to 104°F), maximum 80% relative humidity, non-condensing



Cat. No.	Description	Quantity
02-217-765	120V 5A, 25w	Ea.
02-217-766	230V 5A, 25w	Ea.

## Fisher Scientific™ Platform Rockers

- Ideal for tubes, culture flasks, dishes and boxes
- Simple graduated speed setting from 7.5 to 30rpm
- Continuous or timed operation with automatic switch-off, ensures accurate countdown for repeatability of time sensitive incubations
- Large easy-to-read LED display
- Fits neatly into the smallest workspace
- Smooth, non-slip mat prevents vessels from slipping
- Operating temperature range of 4° to 40°C allows for use in cold rooms or incubators



Cat. No.	Description	Quantity
13-687-704	Fixed-Tilt Platform Rocker	Ea.

### Platform Shakers - Rotating

## Fisher Scientific™ 3D Platform Rotators

- Simple speed adjustment from 10 to 30rpm
- Gentle movement ideal for staining gels without destroying the edges or keeping fragile tissue intact during incubation
- Large platform accommodates most commonly used vessels with non-slip mat that prevents slipping
- Low voltage power supply provides safe cold room operation and low energy consumption
- Operating temperature range of 4° to 40°C allows for use in cold rooms or incubators



Cat. No.	Description	Quantity
13-687-705	Fixed-Tilt Platform Rotator	Ea.

## Fisher Scientific™ Multi-Function 3D Rotators

- Rotation speed: 5 to 30rpm for long wave motion
- Reciprocal rotation: 1° to 360° turning angle for long and medium way motion
- Vibration: 1° to 6° turning angle, programmable in bursts of 1 to 5 seconds, for short wave motion
- Fits neatly into small workspaces
- Operating temperature range of 4° to 40°C allows for use in cold rooms or incubators



Cat. No.	Description	Quantity
13-687-707	Multi-Function 3D Rotator	Ea.

## Fisher Scientific™ Nutating Mixers

### Fixed Speed Model

- Compact; fits on any flat surface or benchtop
- Fixed-speed movement at 20° angle
- Operating range: 4° to 40°C
- Load capacity: 1.75 lb. (0.8kg)
- Tubes can be placed on dimpled rubber mat without additional strapping
- Mat is removable and cleans with soap and water
- Maintenance-free
- Very quiet



### Variable Speed Model

- Variable speed from 4-24rpm offers gentle continuous mixing of samples
- Low-profile, compact design enables placement at every workstation 9 x 5" platform accommodates a variety of tubes and vessels
- Operating range up to 45°C
- Load capacity: 1.8 lb. (0.82kg)
- Quiet operation

Cat. No.	Description	Quantity
22-363-153	Fixed Speed; 230V	Ea.
22-363-152	115V, 60Hz, 0.2A	Ea.
05-450-213	Variable Speed	Ea.

### Rotary Shakers

## Fisher Scientific™ Heat/Cool Thermal Mixer

- Digital microprocessor control for standard operation and ON/OFF mixing (with or without heat/cool settings)
- Ten programmable settings per set function
- Adjustable speed provides gentle or vigorous mixing action
- Temperature range from 18°C below ambient to 99°C for greater functionality in the life science lab
- Four available interchangeable platforms accommodate MC tubes, standard/deep-well plates and PCR strip/plates (order separately)
- Two-year warranty
- Power Pack is UL, CSA and CE approved



Cat. No.	Description	Quantity
05-450-206	Heat/Cool Thermal Mixer with 115/230VAC adapter	Ea.

## Fisher Scientific™ Tube Rotator

- Digital microprocessor control
- Five carousel options
- Adjustable speed provides gentle or vigorous mixing action
- Adjustable angled head offers mixing angles from 90 to 180°
- Timer features both time up and time down counting modes
- This is dual voltage unit; 19.4v dc, 474A via 100/240v AC adapter



Cat. No.	Description	Quantity
05-450-200	Variable speed 4 to 80rpm	Ea.

## Fisher Scientific Wave Action Rotator

- Quiet operation
- Easy-to-adjust speed control with optimized low-speed operation
- Easy-to-adjust tilt angle with a single set screw adjustment
- Two-year manufacturer's warranty
- Unit is UL-/CSA-approved and CE-marked



Cat. No.	Description	Quantity
05-450-211	Wave action rotator, 115V	Ea.
05-450-212	Wave Action Rotator, 230V	Ea.

### Rotating Shaker Accessories

## Accessories for Fisher Scientific™ Tube Rotator



Cat. No.	Description	Quantity
05-450-201	Rotor holds (14) 27-34mm tubes	Ea.
05-450-203	Rotor holds (28) 14-18mm tubes	Ea.
05-450-202	Rotor holds (46) 9-11mm tubes	Ea.
05-450-204	Drum carousel holds (63) 14mm culture tubes	Ea.
05-450-205	Drum carousel holds (63) 18.5mm culture tubes	Ea.

### Shaker Clamps and Clips

## Fisher Scientific™ Flask Clamps for Incubating Mini Shakers

- PVC clamps are autoclavable and can be used with polycarbonate flasks
- Available in range of volumes from 10mL to 250mL



Cat. No.	Description	Quantity
02-217-705	PVC; 4.23 oz. (125mL)	Ea.
02-217-706	PVC; 8.45 oz. (250mL)	Ea.

### Shaker Platform Mats

## Mats for Fisher Scientific™ Rockers, Rotators and Shakers



Cat. No.	Description	Quantity
13-687-706	Dimpled mat: 7.8 × 7.8 in.	Ea.

### Shaker Platforms

## Platform for Fisher Scientific™ Microplate Shakers



Cat. No.	Description	Quantity
13-687-709	Four plate platform: 6.6 × 10.3 in.	Ea.

## Platforms for Fisher Scientific™ Multi-Platform Shakers



Cat. No.	Description	Quantity
13-687-701	Flat platform with non-slip rubber mat; 9 × 9 in.	Ea.
13-687-702	Platform with clamps for 6 × 250mL flasks/150mL beakers; 9.75 × 7.4 in.	Ea.
13-687-703	Platform with clamps for 12 × 100mL flasks/150mL beakers; 9.75 × 7.4 in.	Ea.
13-687-710	Universal platform with 3 adjustable bars; 13.4 × 16.8 × 4.1 in.	Ea.

### Specialty Shakers

## Fisher Scientific™ Microplate Shakers

- Variable shaking speed: 150 to 1000rpm
- Quick and easy fitting or any standard-depth multiwall plates
- Continuous or timed operation, with automatic switch off
- Operating temperature 4° to 40°C allows for use in cold rooms or incubators
- Holds two or four microplates
- Easy-to-use electronic timer ensures accurate count-down and repeatability of time sensitive incubations



Cat. No.	Description	Quantity
13-687-708	150 to 1000rpm; Holds 2 microplates	Ea.

### Vortex Shaker Accessories

## Fisher Scientific™ Heavy-Duty Vortex Mixer Accessories



Cat. No.	Description	Quantity
02-216-130	Small Vessel Holder	Ea.
02-216-131	Large Vessel Holder	Ea.
02-216-133	Flat Foam Insert	Ea.

## Fisher Scientific™ MultiTube Vortexers Accessories

- Color-coded foam racks for test tubes or centrifuge tubes
- Replacement tray pad set includes top and lower pads
- Post extension kit adds 6" (15.2cm) to post to accommodate tubes up to 10" (25.4cm)



Cat. No.	Description	Quantity
02-215-459	15 centrifuge tubes; 50mL; red	Ea.
02-215-457	50 centrifuge tubes; 15mL; green	Ea.
02-215-458	28 test tubes; 25mm; white	Ea.
02-215-460	Replacement Tray Pad Set, gray	Ea.

## Fisher Scientific™ Vortex Mixer Accessories

### Holders

- **12-Place Microtube Holder** mixes 1.5 to 2.0mL tubes†
- **48-Place Microtube Holder** mixes 0.25/2.0mL microcentrifuge tubes†
- **Microwell Plate Foam Rack** mixes 96-well plates or deepwell blocks†
- **Microwell Plate Holder** for mixing 96-well plates or deepwell blocks†
- **20-25mm Tube Holder** mixes up to 8 × 50mL centrifuge tubes†
- **14-19mm Tube Holder** mixes up to 8 × 15mL tubes†
- **9-13mm Tube Holder** mixes 5mL culture tubes and microvials†
- **Vessel Holder** mixes Erlenmeyer flasks and media bottles†
- **Ampule Tube Holder** mixes storage vials and test tubes



### Accessory Kits

- **Tube Holder Kit with Retainer** includes 3 tube holders (for 9-13mm, 14-19mm, and 20-25mm tubes), one flat foam insert, two vessel harnesses and one insert retainer (Cat. Nos. 02-215-393, -394, -395, -397, -392, -391)
- **Microtube and Microwell Plate Holder Kit with Retainer** includes one microtube holder, one microwell plate holder, and one insert retainer (Cat. Nos. 02-215-386, -387, -391)
- **Microtube Kit** mixes (48) 0.25 to 2mL micro tubes; includes foam insert and insert retainer
- **Microwell Plate Kit** for mixing 96-well plates or deep well blocks; includes foam insert and insert retainer
- **Foam Insert Variety Pack** includes foam inserts for the following: 9 to 13mm tube holder, 14 to 19mm tube holder, 20 to 29mm tube holder

### Other Accessories

- **Insert Retainer** is required to secure vessel harness and foam inserts
- **3" Head** permits easy-touch mixing of beakers and flasks
- **3" Head Cover** slides over top of head—ideal for odd-shaped containers
- **3" Head with Rubber Cover** designed for mixing irregular shaped objects
- **Cup Head** is designed for mixing one tube at a time

Cat. No.	Description	Quantity
02-215-393	Foam Insert Set for 9-13mm Tubes	Ea.
02-215-394	Foam Insert Set for 14-19mm Tubes	Ea.
02-215-395	Foam Insert Set for 20-25mm Tubes	Ea.
02-215-386	Foam rack; For microtubes	Ea.
02-215-387	Foam rack; For microwell plates	Ea.
02-215-388	Foam Tube Holder Kit with Retainer	Ea.
02-215-382	Head; 3in.	Ea.
02-215-391	Insert Retainer	Ea.

## Fisher Scientific™ Vortex Mixers Single Tube Holders

- Mount atop mixer for single-tube, hands-free mixing
- Easily attach without tools



Cat. No.	Description	Quantity
02-215-402	0.5mL micro-tube holder	Ea.
02-215-403	1.5/2.0mL single tube holder	Ea.
02-215-404	Single Tube Holder for Fisher Scientific Vortex Mixers	Ea.

### Vortex Shakers

## Fisher Scientific™ Analog Vortex Mixer

- Continuous or touch modes
- Variable speed control
- Mixer includes both cup head and 3" head with cover

### Specifications

- Speed Range, 120V: 300-3200rpm; 230V: 300-2500rpm†
- Orbit: 4.9mm
- Controls: 3-way power switch
- Speed knob: variable 1 to 10 dial marks
- Overall Dimensions: 4.8L × 6.8W × 4.8"H (12.2 × 17.3 × 12.2cm)
- Electrical: 120V 50/60Hz, 1.2A, 150w; 230V 50/60Hz, 0.6A, 150w
- Ship Weight: 11.7 lb. (5.3kg)† Maximum speed will vary depending on accessory used.



Cat. No.	Description	Quantity
<i>Analog vortex mixer</i>		
02-215-365	120V, 50/60Hz; 150w	Ea.
02-215-366	230V; US	Ea.

## Fisher Scientific™ Digital Vortex Mixer

- Continuous or touch modes
- Microprocessor controls
- LED display for speed and time
- Mixer includes both cup head and 3" head with cover

### Specifications

- Speed Range, 120V: 500-3000rpm; 230V: 500-2500rpm†
- Orbit: 4.9mm
- Controls: 3-way power switch
- LED display for time/speed
- Up/down arrow keys for set-point control
- Overall Dimensions: 4.8L × 6.8W × 4.8"H (12.2 × 17.3 × 12.2cm)
- Electrical: 120V 50/60Hz, 1.2A, 150w; 230V 50/60Hz, 0.6A, 150w
- Ship Weight: 11.7 lb. (5.3kg)† Maximum speed will vary depending on accessory used



Cat. No.	Description	Quantity
<i>Digital Vortex Mixer</i>		
02-215-370	120V	Ea.



## Fisher Scientific™ Fixed Speed Vortex Mixer

- Touch mode operation
- Fixed high speed mixing
- Mixer includes both cup head and 3" head with cover



### Specifications

- Speed Range, 120V: 3200rpm; 230V: 2500rpm
- Orbit: 4.9mm
- Controls: None
- Overall Dimensions: 4.8L x 6.8W x 4.8"H (12.2 x 17.3 x 12.2cm)
- Electrical: 120V 50/60Hz, 1.2A, 150w; 230V 50/60Hz, 0.6A, 150w
- Ship Weight: 11.7 lb. (5.3kg)

Cat. No.	Description	Quantity
<b>Fixed Speed Vortex Mixer</b>		
02-215-360	120V	Ea.
02-215-361	230V; US	Ea.

## Fisher Scientific™ Heavy-Duty Vortex Mixers

- Designed for continuous duty
- Heavy-duty design and efficient motor allow mixer to operate in continuous duty and handle all accessories over the entire speed range



Cat. No.	Description	Quantity
02-216-110		Ea.
<b>Standard</b>		
02-216-108	120V; US	Ea.
<b>Advanced</b>		
02-216-109	120V; US	Ea.

## Fisher Scientific™ Microplate Vortex Mixers



Cat. No.	Description	Quantity
<b>Standard,</b>		
02-216-100	120V	Ea.
02-216-102	230V, EU Standard	Ea.
<b>Advanced</b>		
02-216-101	120V	Ea.
02-216-103	230V; EU Plug	Ea.

## Fisher Scientific™ Mini Vortex Mixer

- Speed: Fixed, 2800rpm
- Orbit 4.5mm
- Dimensions: 3.8 x 3.8 x 2.5 in. (96 x 97 x 64mm)
- Weight: 1 lbs / 0.5kg
- Electrical: 100 to 240V, 50-60Hz (0.6A)



Cat. No.	Description	Quantity
14-955-152	230V	Ea.

## Fisher Scientific™ miniRoto Vortexer

- For test tubes, centrifuge tubes and other small vessels up to 30mm dia.
- Maximum tube capacity: 50mL
- Mixing speed: 2800rpm (fixed)
- Shaking motion/stroke: Orbital/4.5mm
- Operating temperature: 5 to 40°C
- Inert plastic upper casing and test tube surface
- Coated zinc die-cast base adds stability



Cat. No.	Description	Quantity
14-505-512	115V 50/60Hz	Ea.

## Fisher Scientific™ MultiTube Vortexers

- Powerful permanent, continuous-duty motor delivers quiet, rattle-free mixing
- Top plate adjusts along two stainless-steel posts; removable for easy sample access
- Rugged corrosion-resistant, stainless-steel base
- Suction-cup feet dampen motion and prevent sliding
- Orbit: 3.6mm



Cat. No.	Description	Quantity
<b>Analog</b>		
02-215-450	120V 50/60Hz, 5A, 100w	Ea.
02-215-451	230V 50/60Hz, 1A, 100w	Ea.
<b>Digital</b>		
02-215-452	120V 50/60Hz, 5A, 75w	Ea.
02-215-453	230V 50/60Hz, 1A, 75w	Ea.

## Fisher Scientific™ Pulsing Vortex Mixer

- Glass bead cell disruption/homogenization
- Continuous or touch modes
- LED display for speed and time
- Microprocessor controls



### Specifications

- Speed Range, 120V: 500-3000rpm; 230V: 500-2500rpm†
- Orbit: 2.5mm
- Controls: 3-way power switch
- LED display for time/speed
- Up/down arrow keys for set-point control
- Pulsing key
- Overall Dimensions: 4.8L × 6.8W × 4.8"H (12.2 × 17.3 × 12.2cm)
- Electrical: 120V 50/60Hz, 1.2A, 150w; 230V 50/60Hz, 0.6A, 150w
- Ship Weight: 11.7 lb. (5.3kg)† Maximum speed will vary depending on accessory used.

Cat. No.	Description	Quantity
<i>Pulsing Vortex Mixer</i>		
02-215-376	500 to 2500rpm; 230V 50/60Hz, 150w; US	Ea.
02-215-375	120V	Ea.

## Fisher Scientific™ Vortex Mixers

- Available in fixed- and variable-speed models as well as an advanced pulsing vortexer
- A wide range of accessories allow these mixers to handle vessels from microtubes to flasks



Cat. No.	Description	Quantity
02-215-371		Ea.

### Wrist Action Shaker Accessories

## Fisher Scientific™ Wrist Shaker Accessories



Cat. No.	Description	Quantity
05-450-124	6 position side arm assembly	Pr.
05-450-125	8 position side arm shaft; 445mm	Pr.
05-450-126	2 vessel/flask capacity clamp assembly	Ea.

### Shakers

## Fisher Scientific™ Wrist Motion Shaker



- Adjustable 0-15° mixing angle
- Continuous or timed operation 0-60 min.
- Adjustable side arm clamps can accommodate up to 8 flasks (500mL or smaller)
- Load capacity of up to 10 lbs. with overload protection
- Cold room compatible (4-25°C)
- UL, CSA, and CE approved

Cat. No.	Description	Quantity
05-450-120	120V	Ea.
05-450-121	230V	Ea.
05-450-122	120V	Ea.
05-450-123	230V	Ea.

### Stirrers

### Magnetic Stirrer Accessories

## Fisher Scientific™ Stainless Steel Shafts

Electro-polished stainless steel 316L



Cat. No.	Description	Quantity
14-500-365	Shaft diameter: 12 × 0.3125 in. (300 × 8mm)	Ea.
14-500-366	Shaft diameter: 18 × 0.3125 in. (457 × 8mm)	Ea.
14-500-367	Shaft diameter: 18 × 0.375 in. (457 × 9.5mm)	Ea.
14-500-368	Shaft Diameter: 20 × 0.375 in. (508 × 9.5mm)	Ea.
14-500-369	Shaft Diameter: 24 × 0.3125 in. (610 × 8mm)	Ea.
14-500-370	Shaft Diameter: 24 × 0.375 in. (457 × 9.5mm)	Ea.
14-500-371	Shaft Diameter: 30 × 0.375 in. (762 × 9.5mm)	Ea.

Magnetic Stirrers

## Fisher Scientific™ Isotemp™ Basic Magnetic Stirrers

### Operating Features

- Variable speed control from 60 to 1200rpm
- Speed is set easily, even when wearing heavy gloves
- Microprocessor controller maintains consistent stirring under changing viscosities
- Base includes support rod mount with thumbscrew for rods up to 13mm dia. Load capacity: 25 lb. (11kg)



Cat. No.	Description	Quantity
<b>Aluminum</b>		
11-200-49S	7 × 7in., 120V	Ea.
11-202-49S	7 × 7; 230V	Ea.
<b>Ceramic</b>		
11-100-16S	Stirring surface: 4 × 4 in.	Ea.
11-102-16S	4 × 4, 230V	Ea.
11-100-49S	7 × 7in., 120V	Ea.
11-102-49S	7 × 7in., 230V	Ea.
11-100-100S	10 × 10 in., 120V	Ea.
11-102-100S	10 × 10, 230V	Ea.

## Fisher Scientific™ Isotemp™ Digital Magnetic Stirrers

### Operating Features

- Digital speed control from 60 to 1200rpm
- Stirring speed is easily adjustable in 1rpm increments—even when wearing lab gloves
- Microprocessor-controlled stirring maintains consistent action with changing viscosities
- Large digital display shows set and actual speed  
RESET key restores last settings
- Programmable timer shuts off stirrer after user-defined interval
- “Favorites” feature allows users to store three commonly used settings
- Base includes support rod mount with thumbscrew for rods up to 13mm dia. Load capacity: 25 lb. (11kg)



Cat. No.	Description	Quantity
<b>Ceramic</b>		
11-300-49S	7 × 7 in, 120V	Ea.
<b>Digital stirrer</b>		
11-302-49S	7.25 × 7.25 in. top plate; 230V 50/60Hz	Ea.

## Fisher Scientific™ Magnetic Stirrers

- Variable analog speed control from 250 to 2500rpm Stir up to 2L water
- Porcelain-coated stainless-steel top plate resists acids and alkalis and cleans easily; drip edge guards against spills
- Instant-on at 100rpm for smooth, safe low-speed operation
- Durable die-cast aluminum base



Cat. No.	Description	Quantity
11-520-49S	Top Plate Dimensions: 7 × 7 in.; Porcelain-Coated SS Top Plate; 100 - 1200rpm	Ea.

Overhead Stirrer Adapters Clamps Couplings

## Fisher Scientific™ Power Hold Universal Clamps for Overhead Stirrers

- Designed with large knobs for powerful gripping
- Adjustable stop for speed and safety in set up and operation
- Made with precision machined aluminum rod for strength and durability



Cat. No.	Description	Quantity
14-512-906	Fits stirring stands from 3/8 in. to 5/8 in. (9.5 mm to 16mm) diameter	Ea.
14-512-907	Fits stirring stands from 1/2 in. to 3/4 in. (12mm to 19mm) diameter	Ea.

## Fisher Scientific Stirrer Fastening Clamp

- Cast zinc-aluminum alloy coated with a chemical resistant epoxy paint
- Supports stirrer on the rod of the stand
- Includes place to hold chuck key
- Weight: 1.5 lbs (640g)



Cat. No.	Description	Quantity
14-500-357	Stirrer Fastening Clamp	Ea.

## Fisher Scientific™ Universal Swivel Clamp for Overhead Stirrers

### Has three knobs:

- Knob one: Raises and lowers stirrer
- Knob two: Locks stirrer on support rod
- Knob three: Controls swivel setting



Cat. No.	Description	Quantity
14-512-908	Fits stirring stands from 1/2 in. to 3/4 in. (12mm to 19mm) diameter	Ea.

Overhead Stirrer Propellers and Blades

## Fisher Scientific™ Cast Pitched Blade Propeller (Propeller Only)

- Electro-polished cast stainless steel 316L
- 2.5"(64 mm) propeller with 5/16" (8mm) bore with set screws
- Low shear, high top-to-bottom (axial) pumping capacity with high gas injection
- Will vortex 5 gallons of water at 3600 rpm
- Weight 0.8 oz (23 g)

Cat. No.	Description	Quantity
14-500-364	2.5 in. (64 mm) propeller with 0.312 in. (8mm) bore with set screws	Ea.

## Fisher Scientific™ Collapsible Blade Impeller

- Electro-polished stainless-steel 316L
- Pinned to shaft
- High shear for mixing in carboys or narrow-neck flasks
- Collapsed blades enter any opening over 10mm diameter
- Will vortex 5 gallons of water at 1000rpm
- Shaft length, 16" (400mm); 5/16" diameter (8mm). Impeller is 3-1/2" (90mm) in diameter (blades fully open)
- Weight 0.3 lb. (127g)



Cat. No.	Description	Quantity
14-500-361	Collapsible Blade; 3-1/2 in. max; 15-3/4 in. shaft	Ea.

## Fisher Scientific™ Crossed Blade Impeller

- Electro-polished stainless steel 316L
- Welded to shaft
- Very high shear with high vortexing characteristics
- Will vortex 5 gallons of water at 900 rpm
- Shaft length, 16" (400mm); 5/16" diameter (8mm). Impeller is 2 x 2" (5.0 x 5.0cm).
- Weight 0.3 lbs (128g)



Cat. No.	Description	Quantity
14-500-358	Crossed Blade; 2 x 2 in. impeller; 15.75 in. shaft	Ea.

## Fisher Scientific™ Pitched Blade Propellers

- Electro-polished stainless steel 316L
- Secured to shaft with set screws
- Low shear, high top-to-bottom (axial) pumping capacity with high gas injection
- Will vortex 5 gallons of water at 3600 rpm
- Weight: 0.4 lbs (181 g)
- Shaft length, 16" (400mm); 5/16" diameter (8mm). Propeller is 2-1/4" (58mm) in diameter.

Cat. No.	Description	Quantity
14-500-363	Shaft Dia.x L: 0.312 x 16 in., Blade Dia.: 2.5 in.	Ea.

## Fisher Scientific™ Pivoting Blade Impeller

- Electro-polished stainless steel 316L
- Pinned to shaft
- Moderate shear with moderate vortexing characteristics
- Will vortex 5 gallons of water at 800 rpm
- Weight 0.3 lbs (126g)



Cat. No.	Description	Quantity
<i>Pivoting Blade</i>		
14-500-360	2-3/8 in.; 15-3/4 in. shaft	Ea.

## Fisher Scientific™ Square Blade Impeller

- Electro-polished stainless steel 316L
- Welded to shaft
- For small volumes of viscous product
- Weight 0.4 lbs (180g)



Cat. No.	Description	Quantity
<i>Square Blade</i>		
14-500-362	2-3/4 in.; 17-3/4 in. shaft	Ea.

## Fisher Scientific™ Straight Blade Impeller

- Electro-polished stainless-steel 316L
- Welded to shaft
- High shear with moderate vortexing characteristics
- Will vortex 5 gallons of water at 1200rpm
- Shaft length, 16" (400mm); 5/16" diameter (8mm).
- Weight 0.3 lb. (136g)



Cat. No.	Description	Quantity
<i>Straight Blade</i>		
14-500-359	2 in. impeller; 15.75 in. shaft	Ea.

## Fisher Scientific™ Vinyl Chuck Guard

- Hole diameter will accommodate 5/16 or 3/8 in. diameter mixing shafts
- Vinyl
- Protects the chuck from splashes
- Protects the user from the moving chuck

Cat. No.	Description	Quantity
14-500-350	Chuck Guard	Ea.

### Overhead Stirrer Replacement Parts

## Fisher Scientific™ Adjustable Jacobs Chuck

- Fits 3/8 in. (10mm) diameter motor shafts
- Accepts stirrer shafts from 1/16 in. to 3/8 in. (1.5 mm to 10mm) in diameter



Cat. No.	Description	Quantity
14-512-903	Fits 3/8 in. (10mm) diameter motor shafts	Ea.

## Fisher Scientific™ Stirrer Chuck and Key Set

- Through shaft
- Adjustable to 3/8" (10 mm)
- Secures to 0.51" (13 mm) output shaft of stirrers
- weight 1.5 lbs (640 g)



Cat. No.	Description	Quantity
<i>Chuck and key set</i>		
14-500-356	Adjustable to 3/8 in. Secures to 0.51 in. outut shaft of stirrers	Ea.

### Overhead Stirrer Shafts and Assemblies

## Fisher Scientific™ Corrosion Resistant Shaft and Propellers for Overhead Stirrers

- Constructed with thick Virgin PTFE outer-shell
- Rigid stainless steel inner core
- Shaft 10mm OD × 1/4 in. Dia. core
- Inner shaft is 1 in. longer than outer shell allowing for chucking directly on the stainless steel section of the shaft



Cat. No.	Description	Quantity
14-512-904	Shaft length: 12 in.; Propeller dia.: 2.5 in.	Ea.
14-512-905	Shaft length: 18 in.; Propeller dia.: 3.5 in.	Ea.

## Fisher Scientific™ Filter/Regulator and Lubricator Complete Assembly for Air Stirrers

- Integral filter/regulator and lubricator combination
- With 1.5 in. diameter gauge, 0-160 psi



Cat. No.	Description	Quantity
14-512-900	Filter/regulator and lubricator complete assembly	Ea.

## Fisher Scientific™ Mixing Shafts for Electronic Mixers

- 12" L. shaft only
- 3/8" diameter with one end turned down to 1/2" × 5/16" diameter to accommodate both 3/8" and 5/16" impeller bores
- 316L electropolished stainless steel
- Can be used with any propeller with a bore size of 5/16" or 3/8"

Cat. No.	Description	Quantity
14-500-351	Shaft dimension: 3/8 dia. × 12 in.L (9.5 × 305mm)	Ea.

### Overhead Stirrer Supports

## Fisher Scientific™ Compact Stand for Overhead Stirrers

- Unique offset design centers impeller in vessel
- Includes 24 × 5/8" solid stainless steel rod, stand base and allen key
- cast zinc-aluminum alloy coated with a chemical resistant epoxy paint
- weight: 5.7 lbs (2.6 kg)



Cat. No.	Description	Quantity
14-500-355	24 in. base; 5/8 in. solid rod; Depth: 9.4 in.; Outer W: 11.9 in.; Inner W: 8.9 in.	Ea.



## Fisher Scientific™ Safety Stand for Overhead Stirrers

- Includes 28 in. rod, stand base and allen key
- Cast zinc-aluminum alloy base coated with chemical resistant epoxy paint
- Two level adjustment knobs
- Rod is 304 stainless steel tube, 1 in. diameter
- Weight: 11 lbs (5 kg)



Cat. No.	Description	Quantity
14-500-354	28 in. H x 1 in. dia hollow rod cast base	Ea.

## Fisher Scientific™ Spider Support Stands for Overhead Stirrers

- Fits securely on vessels with rims up to 5/8 in. wide
- Adjustable legs and swivel clamp
- Light weight aluminum base with a 5/8 in. diameter and 24 in. high stainless steel support rod



Cat. No.	Description	Quantity
14-512-911	Fits vessels up to 15 in. inscribed circle	Ea.
14-512-912	Fits 55 gallon drums	Ea.

## Fisher Scientific™ Support Stands for Overhead Stirrers

- Stainless steel base with two long front legs and one short back leg
- Rubber pads on each foot
- 29" overall height



Cat. No.	Description	Quantity
14-512-909	5/8 in. diameter	Ea.
14-512-910	3/4 in. diameter	Ea.

### Stirrers

## Fisher Scientific™ Air-Powered Analog Overhead Stirrers

- Needle valve allows variation in mixing speed
- Special muffler ensures quieter operation
- Reversible models have motors which can be set to rotate in either direction by connecting the air supply line to the right port for counter-clockwise rotation or the left port for clockwise rotation



Cat. No.	Description	Quantity
<b>Max. volume: 10L</b>		
14-500-219	Max. viscosity: 5,000 cps; Max. torque: 45 Ncm	Ea.
<b>Max. volume: 20L</b>		
14-500-218	Max. viscosity: 10,000 cps; Max. torque: 203 Ncm	Ea.
14-500-217	Max. viscosity: 10,000 cps; Max. torque: 294 Ncm;	Ea.
<b>Max. volume: 50L</b>		
14-500-216	Max. viscosity: 30,000 cps; Max. torque: 633 Ncm; 3000 rpm max.	Ea.

## Fisher Scientific™ CompactDigital™ Overhead Stirrer

- Delivers accurate, repeatable results for volumes up to 25L and 15,000cps
- Four-digit speed display shows speed accurate to ±1rpm
- Three-button control (power on/off, speed increase, speed decrease, light on/off) is easy to use
- Last speed setting is stored in memory before unit is powered off
- Convenient handle makes stirrer easy to lift, move and set in place
- Brushless, maintenance-free DC motor produces consistent mixing at all speeds and provides automatic overload protection
- Belt-drive transmission is smooth, quiet and offers high power efficiency (1/15hp, 50w)
- Sealed housing keeps liquids safely away from internal components
- Through shaft allows quick, impeller adjustment and replacement



Cat. No.	Description	Quantity
14-500-211	CompactDigital; 40-2002 rpm; 15,000 cps	Ea.

## Fisher Scientific™ Electric Analog Laboratory Overhead Stirrers

- Totally enclosed, non-ventilated motor keeps corrosive fumes and dust out for a long and trouble free service life
- Permanent magnet, D.C. motor provides maximum constant torque throughout entire speed range
- On/off switch for quick stopping
- Overload protection - a manually resettable circuit breaker for safety
- Heavy cast aluminum control box with motor keeps workplace uncluttered and away from corrosive spills or splashes
- Eye level control knob electronically regulates speed of application required



Cat. No.	Description	Quantity
<b>1/15 hp</b>		
14-500-214	Max. Vol.: 20L; Viscosity: 10,000 cps.; Direct drive; Torque: 27 Ncm	Ea.
14-500-212	Max. Vol.: 40L; Viscosity: 20,000 cps.; 7 to 1 gear ratio; Torque: 193 Ncm	Ea.
<b>1/10 hp</b>		
14-500-215	Max. Vol.: 15L; Viscosity: 7,500 cps.; Direct drive; Torque: 190 Ncm	Ea.
<b>1/8 hp</b>		
14-500-213	Max. Vol.: 30L; Viscosity: 15,000 cps.; 7 to 1 gear ratio; Torque: 74 Ncm	Ea.

## Fisher Scientific™ RealTorqueDigital™ Overhead Stirrers

- Stirrer handles high-volume/high-viscosity stirring as easily as homogenizing and dispersing - especially useful for continuous use
- User-friendly keypad permits precise speed adjustment and digital LCD indicates rpm or torque to within ±1%
- Electronic controls permit speed adjustment to single-digit increments and maintain set speed within 1% as solution viscosity changes
- Rugged, sealed metal housing encloses the high-performance brushless DC motor with automatic overload protection; and two-speed transmission that electronically shifts between high-torque and high-speed range—actually transferring motor's power to chuck with 95% efficiency
- Chuck is adjustable up to 3/8" (10mm)
- Chuck guard protects chuck from splashes and prevents accidental movement of chuck
- Stirrer features electronic controls



Cat. No.	Description	Quantity
14-500-210	Universal; 20-3000 rpm; up to 50,000 cps	Ea.

### Tools

## Fisherbrand™ Pellet Pestle™ Cordless Motor

- Use with either the disposable or reusable Pellet Pestle™ Mixers
- Comes with two "AA" batteries



Cat. No.	Description	Quantity
12-141-361	Cordless motor	1/Cs.

## Fisherbrand™ RNase-Free Disposable Pellet Pestles

- RNase, DNase and Pyrogen-free
- Volume: 1.5mL



Cat. No.	Description	Quantity
12-141-368	With tube	100/Cs.
12-141-364	Without tube	100/Cs.

### Tissue Grinders - Plastic

## Fisherbrand™ Disposable Tissue Grinders

- Sterile and pre-assembled
- Closed system prevents risk of contact with sample
- Easy-to-open Tyvek™ packaging
- Extra cap and patient label provided



Cat. No.	Description	Quantity
02-542-09	15mL	10/Cs.
02-542-07	50mL	10/Cs.

### Tools - Miscellaneous

## Fisherbrand™ Diamond Tip Pencil

- Ground polished 90° point
- Aluminum
- Point fused to steel stylus
- Sharp/clean lines

Cat. No.	Description	Quantity
22-268912	90deg. diamond point pencil	Ea.

## Fisherbrand™ Instrument Repair Kit

- Professional tool kit includes 46 precision-engineered tools (see list at right) on two removable, custom-fitted pallets
- Sturdy case covered with simulated black top-grain leather
- Large, extra-heavy vinyl pocket in lid holds catalogs, manuals
- Partitions create ample space in bottom for power tools, meters, and other equipment



Cat. No.	Description	Quantity
15-230	Instrument Repair Kit	Ea.

## Fisherbrand™ Original Labtool

- Scores/breaks glass tubing; opens septa and bottles; cuts stoppers and tubing; and much more
- Constructed of stainless steel for years of reliable service



Cat. No.	Description	Quantity
15-226-1	Original Labtool	Ea.

## Fisherbrand™ Tool Kit

- 13 Tools organized in heavy blue vinyl case with clear, heavy-duty vinyl compartments
- Tool Kit rolls and ties shut for compact storage
- Can be hung on wall with its three metal grommets
- Tool handles are cushioned in heavy rubber



Cat. No.	Description	Quantity
15-226	Tool Kit in Vinyl Case	Ea.

### Ultrasonic Cleaners

## Fisher Scientific™ CPX Series Digital Ultrasonic Baths

- Sweep frequency feature eliminates standing waves and creates consistent cavitation
- Features 40kHz rugged industrial transducers
- Consists of 99-minute digital timer and continuous ultrasonic operation
- Extended degassing time periods for beyond cleaning applications; can also be set up to 99 minutes
- Ultrasonic power tracking to track operating frequency of bath; always delivering same power
- High/low power control to lower amplitude of acoustic energy for delicate applications
- Controls located above and behind cleaning tank in easily accessible control tower panel
- Sleep mode when no key is pressed
- Chemically resistant plastic body
- Delivers unwavering cavitation, steady activity in bath irrespective of load conditions change
- Automatic ultrasonic activation includes selectable times for degas and ultrasonic processing



Cat. No.	Description	Quantity
<i>w/Built-in pour drain</i>		
15-337-403	251L × 304W × 302mm D; 1.9L	Ea.
15-337-411	337L × 304W × 302mm D; 2.8L	Ea.
<i>Tank drain w/valves</i>		
15-337-419	397L × 317W × 377mm D; 5.7L	Ea.
15-337-427	397L × 401W × 378mm D; 9.5L	Ea.
15-337-435	596L × 466W × 391mm D; 20.8L	Ea.

## Fisher Scientific™ CPXH Series Digital Ultrasonic Baths

- Sweep frequency feature eliminates standing waves and creates consistent cavitation
- Features 40kHz rugged industrial transducers
- Consists of 99-minute digital timer and continuous ultrasonic operation
- Can be heated up to 69°C (156.2°F); set for either Fahrenheit or Celsius
- Extended degassing time periods for beyond cleaning applications; can also be set up to 99 minutes
- Ultrasonic power tracking to track operating frequency of bath; always delivering same power
- Completely programmable process allows you to choose temperature set points and walk away; once it reaches programmable set point, the cycle begins
- High/low power control to lower amplitude of acoustic energy for delicate applications
- Sleep mode when no key is pressed
- High-temp safety alarm indicator for protection from unit overheating
- Delivers unwavering cavitation, steady activity in bath irrespective of load conditions change
- Automatic ultrasonic activation includes selectable times for degas and ultrasonic processing
- Temperature calibration user accessible through front panel
- Controls located above and behind cleaning tank in easily accessible control tower panel
- Chemical resistant body made of plastic



Cat. No.	Description	Quantity
<i>w/Built-in pour drain</i>		
15-337-402	251L × 304W × 302mm D; 1.9L	Ea.
15-337-410	337L × 304W × 302mm D; 2.8L	Ea.
<i>Tank drain w/valves</i>		
15-337-418	397L × 317W × 317mm D; 5.7L	Ea.
15-337-426	397L × 401W × 378mm D; 9.5L	Ea.
15-337-434	596L × 466W × 391mm D; 20.8L	Ea.

## Fisher Scientific™ Digital Ultrasonic Cleaners

### Digital Control Panel

- Power switch plus convenient touch controls
- SELECT OPTION to read or set solution temperature, set timers for sonics and degassing, turn heat on and off; lights indicate mode in use
- SET DISPLAY has + and – tabs to adjust temperature and timer settings
- CLEAR DISPLAY button to reset display



### Six digital models from 3 to 20 qt. (2.8 to 18.9L)

- Microprocessor-controlled timer with cycle times to 99 minutes
- Thermostat with LED readout maintains optimum cleaning temperature of 69°C (156°F)
- Automatically reset to last setting for consistent batch-to-batch cleaning
- Full-power instantly, no warmup
- Corrosion-resistant, Type 304 stainless-steel tank with rolled edges to minimize leaks
- Stainless-steel cover

Cat. No.	Description	Quantity
15-335-100	3 qt. (2.8L)	Ea.
15-335-101	4 qt. (3.8L)	Ea.
15-335-102	6 qt. (5.7L)	Ea.
15-335-103	10 qt. (9.5L)	Ea.
15-335-105	20 qt. (18.9L)	Ea.

## Fisher Scientific™ M and MH Series Mechanical Ultrasonic Baths

- Sweep frequency feature eliminates standing waves and creates consistent cavitation throughout tank
- Controls located above and behind cleaning tank in easily accessible control tower panel
- Ultrasonic power tracking to track operating frequency of bath; always delivering the same power
- Features 40kHz rugged industrial transducers
- Chemical-resistant body made of plastic
- Convenient built-in pour drains present on 0.5 gal. (1.9L) and 0.75 gal. (2.8L) models
- Tank drains with valves incorporated on 1.5 gal (5.7L) and larger models



Cat. No.	Description	Quantity
<i>M Series</i>		
15-337-400	w/o Heater; w/Built-in pour drain; 251L × 304W × 302mm D; 1.9L	Ea.
15-337-408	w/o Heater; w/Built-in pour drain; 337L × 304W × 302mm D; 2.8L	Ea.
15-337-416	w/o Heater; Tank drain w/valves; 397L × 317W × 317mm D; 5.7L	Ea.
15-337-424	w/o Heater; Tank drain w/valves; 397L × 401W × 378mm D; 9.5L	Ea.
15-337-432	w/o Heater; Tank drain w/valves; 596L × 466W × 391mm D; 20.8L	Ea.
<i>MH Series</i>		
15-337-401	w/Heater; w/Built-in pour drain; 251L × 304W × 302mm D; 1.9L	Ea.
15-337-409	w/Heater; w/Built-in pour drain; 337L × 304W × 302mm D; 2.8L	Ea.
15-337-417	w/Heater; Tank drain w/valves; 397L × 317W × 317mm D; 5.7L	Ea.
15-337-425	w/Heater; Tank drain w/valves; 397L × 401W × 378mm D; 9.5L	Ea.
15-337-433	w/Heater; Tank drain w/valves; 596L × 466W × 391mm D; 20.8L	Ea.

UV Crosslinkers

## Fisher Scientific™ UV Crosslinker AH

- Ideal for cross-linking DNA or RNA to membranes, in preparation for multiple probed Southern, Northern, dot or slot blots
- The unit comes equipped with five 254nm Shortwave Bulbs
- No more manual calibration required when switching between wavelengths
- UV Crosslinker AH comes calibrated for 254nm Shortwave Bulbs as well as 306nm and 368nm bulbs
- Change your bulbs and select your bulb choice on the display
- Large UV protective window allows for easier process inspection
- Two modes of operation - Energy or Time
- Open Door Safety mechanism
- Energy Efficient electronic ballasts
- Small footprint



Cat. No.	Description	Quantity
13-245-221	120VAC, 50/60Hz	Ea.
13-245-222	230VAC 10%, 50/60 Hz	Ea.
13-245-223	254nm UV Bulb	Ea.

Furniture

Carts

Dollies

## Fisher Scientific™ Aluminum Foldup Cart

- Load capacity: 330 lb. (150kg)
- Sturdy aluminum alloy construction with telescoping platform for longer loads
- Folds up to briefcase size for easy storage or transport
- Rolls easily on large, solid rubber wheels
- Handle adjusts to two heights: 27 and 30" (69 and 76cm)
- Rubber bumpers on all four corners protect walls from accidental scuffs



Cat. No.	Description	Quantity
11-928-1	Foldup Cart	Ea.

## Fisher Scientific™ Mini-Dolly Folding Cart

- Load capacity: 265 lb. (120kg)
- Constructed of ABS plastic and chrome-plated steel with low, nonskid platform
- Eliminates lifting required by high-shelf carts
- Easy-roll wheels swivel for added maneuverability
- Plastic guard on four sides protects walls
- Folds for storage



Cat. No.	Description	Quantity
04-681	Mini-Dolly folding cart	Ea.

## Fisherbrand™ Laboratory Carts

- Durable 18-gauge welded, 1" (2.5cm) tubular steel frame
- Painted in Fisher blue with corrosion resistant dry powder coating
- Ergonomic, extruded rubber handle grips for comfort when pushing
- Load capacity: 400 lb. (181kg)
- Also features an ID tag
- Full factory assembly, ready to roll
- 4" dia. (10cm) hard rubber casters stabilize movement over rough, uneven floors; two casters with toe locks



Cat. No.	Description	Quantity
<b>With four removable vinyl-coated wire baskets</b>		
15-252-405	Dimensions: 18L x 16W x 4 in.H	Ea.
<b>With two removable vinyl-coated wire baskets</b>		
15-252-401	Dimensions: 18L x 32W x 4 in.H	Ea.
<b>Blue Casters</b>		
15-252-402	4 in. dia. casters	Ea.
<b>Work Shelves</b>		
15-252-403	Load capacity: 400 lb. (181kg)	Ea.
15-252-400	Load capacity: 400 lb. (181kg)	Ea.
15-252-404	Load capacity: 400 lb. (181kg)	Ea.



Furniture - Lab

Chairs and Stools

## Fisher Scientific™ Upholstered Pneumatic Laboratory Stools

- Biomechanically engineered; ergonomic
- Feature upholstered, 17.5" dia. (44.4cm), 3" thick (7.6cm) urethane foam seats covered in flame-retardant, antimicrobial/antibacterial vinyl
- Seat height controlled by a pneumatic lift certified to give in excess of 500,000 revolutions without backrest shell, and 24" dia. (61cm) five-leg base sturdily constructed of easy-to-clean, nylon-reinforced fiberglass
- Backrest support bar enclosed in attractive plastic bellows
- Dual wheel casters suitable for hard floors and carpet
- High-form stools have adjustable 20" (50.8cm) chrome footrest
- Lumbar support built into back of chair



Cat. No.	Description	Quantity
<b>High Form</b>		
14-359-393	With backrest, adjustable foot ring; Blue	Ea.
14-359-394	With backrest; gray	Ea.
14-359-801	With backrest; black	Ea.
14-359-802	With backrest; burgundy	Ea.
14-359-803	With backrest; navy	Ea.
14-359-401	Without backrest; blue	Ea.
14-359-402	Without backrest; gray	Ea.
14-359-804	Without backrest; black	Ea.
14-359-806	Without backrest; navy	Ea.
<b>Low Form</b>		
14-359-417	With backrest; blue	Ea.
14-359-418	With backrest; gray	Ea.
14-359-810	With backrest; black	Ea.
14-359-811	With backrest; burgundy	Ea.
14-359-812	With backrest; navy	Ea.
14-359-409	Without backrest; blue	Ea.
14-359-410	Without backrest; gray	Ea.
14-359-807	Without backrest; black	Ea.
14-359-808	Without backrest; burgundy	Ea.
14-359-809	Without backrest; navy	Ea.

## Fisherbrand™ Upholstered Saddle Stool and Chair

- Durable saddle seat
- Adjustable height from 25 to 34.5" (63.5 to 87.6cm)
- Upholstered for greater comfort

Cat. No.	Description	Quantity
14-359-202	Chair	Ea.
14-359-201	Stool	Ea.

Instruments

Balances

Bench Scales

## Fisherbrand™ Traceable™ SpatulaBalance™

- Three-position, soft-touch keys in the handle tare, hold the display, and change grams/ounces
- Capacity: 0 to 300.0 grams, readability is 0.1 grams
- Volume: 0 to 10.580 ounces, readability is 0.005 ounces
- Chemical- and corrosion-resistant, ABS plastic transfers materials without sticking
- Scoop detaches for effortless dishwasher-safe cleaning
- LCD indicates low battery



Cat. No.	Description	Quantity
14-648-231	Weighing range: 0 to 300g	Ea.

Barometers

## Fisher Scientific™ Traceable™ Handheld Digital Barometer

- Measures and digitally displays temperature, altitude and barometric pressure
- Stopwatch/time of day clock
- Barometric pressure trend displays current reading and previous 2, 4, 6, 8, 10 and 12 hours in a bar chart format
- Minimum/maximum memory for altitudes reached during any time period



Cat. No.	Description	Quantity
02-406	Handheld Digital Barometer	Ea.
02-261-958	Handheld Digital Barometer, No Battery	Ea.

## Fisher Scientific™ Traceable™ Precision Dial Barometers

- Easy-to-read dial face is 4.12" dia. (10.8cm)
- Housed in chrome case
- Manual pointer shows barometric change since last viewing
- Screw adjustment compensates for altitude



Cat. No.	Description	Quantity
14-648-51	Precision dial barometer	Ea.

Density and Specific Gravity Instruments

Hydrometers

### Fisherbrand™ ASTM™ Specific Gravity Hydrometers for Liquids Heavier than Water, 260mL Liquid Volume

- Temperature of standardization: 60°F
- Division: 0.001
- Length: 260mm

Cat. No.	Description	Quantity
11-603-8LC	ASTM No. 135H; 260mL liquid volume; With 3-pt certification	Ea.

### Fisherbrand™ PVC Hydrometer Carrying Cases

- Constructed from hard PVC
- Padded interior



Cat. No.	Description	Quantity
13-202-435	305mm	Ea.
13-203-220	381mm	Ea.

### Fisherbrand™ Replacement Hydrometers for Set of Eight Precision Specific Gravity Hydrometers

Cat. No.	Description	Quantity
11-583FC	Range, 1.400 to 1.620; With 3-pt certification	Ea.

### Fisher Scientific™ API ASTM™ Hydrometers, Plain Form

- Permanently marked with individual serial numbers
- Without thermometer in body
- Use Fisherbrand™ API gravity thermometers 11-604 and 11-604-5 (available separately)
- Approximate length: 330mm
- Temperature of standardization: 60°F



Cat. No.	Description	Quantity
11-603C	ASTM No. .5H; Without 3-pt certification	Ea.

### Fisher Scientific™ Baume Hydrometers

- Permanently marked with individual serial numbers



Cat. No.	Description	Quantity
11-571A	Range: 0deg. to 12deg. H; Division: 0.1deg.; 310mm L; Without 3-pt certification	Ea.
11-580A	Range: 0deg. to 30deg. H; Division: 0.5deg.; 280mm L; Without 3-pt certification	Ea.
11-580C	Range: 0deg. to 50deg. H; Division: 1.0deg.; 285mm L; Without 3-pt certification	Ea.
11-571B	Range: 9deg. to 21deg. H; Division: 0.1deg.; 305mm L; Without 3-pt certification	Ea.
11-571C	Range: 19deg. to 31deg. H; Division: 0.1deg.; 310mm L; Without 3-pt certification	Ea.
11-571D	Range: 29deg. to 41deg. H; Division: 0.1deg.; 305mm L; Without 3-pt certification	Ea.
11-580D	Range: 35deg. to 70deg. H; Division: 0.5deg.; 300mm L; Without 3-pt certification	Ea.
11-580B	Range: 35deg. to 70deg. H; Division: 0.5deg.; 305mm L; Without 3-pt certification	Ea.
11-571E	Range: 39deg. to 51deg. H; Division: 0.1deg.; 290mm L; Without 3-pt certification	Ea.
11-571F	Range: 49deg. to 61deg. H; Division: 0.1deg.; 295mm L; Without 3-pt certification	Ea.
11-580E	Range: 50deg. to 100deg. H; Division: 1.0deg.; 300mm L; Without 3-pt certification	Ea.
11-571G	Range: 59deg. to 71deg. H; Division: 0.1deg.; 295mm L; Without 3-pt certification	Ea.

### Fisher Scientific™ Salimeters

- Can be calibrated to read percentage saturation or percent salt at 60°F
- Permanently marked with individual serial numbers
- Approximate length: 305mm
- Require 250mL of liquid in 08-530J cylinder, available separately

Cat. No.	Description	Quantity
11-605	Range: 0 to 100% saturation; Without 3-pt certification	Ea.

### Fisher Scientific™ Set of Eight Precision Specific Gravity Hydrometers

- Approximately 300mm long for use with 08-530J cylinder, available separately
- In lined case



Cat. No.	Description	Quantity
<i>With 3-pt certification</i>		
11-582C	Range: 0.695 to 2.000	Ea.
<i>Without 3-pt certification for liquids heavier than water</i>		
11-582	Range: 0.695 to 2.000	Ea.

## Fisher Scientific™ Specific Gravity Hydrometers

- Chemical-resistant bulbs and stems
- Streamlined to avoid trapping air bubbles
- With directional device that stops the instrument with the scale facing the user for more convenient, more accurate readings



Cat. No.	Description	Quantity
<i>w/o 3-pt Certification; For liquids lighter than water</i>		
11-510D	Range: 0.650 to 1.000	Ea.
11-512A	Range: 0.690 to 0.800	Ea.
11-510A	Range: 0.695 to 0.810	Ea.
11-512B	Range: 0.790 to 0.900	Ea.
11-510B	Range: 0.795 to 0.910	Ea.
11-510C	Range: 0.895 to 1.010	Ea.
<i>Without 3-pt certification for liquids heavier than water</i>		
11-520A	Range: 1.000 to 1.220	Ea.
11-522A	Range: 1.000 to 1.225	Ea.
11-520F	Range: 1.000 to 1.600	Ea.
11-520B	Range: 1.200 to 1.420	Ea.
11-522B	Range: 1.200 to 1.425	Ea.
11-520C	Range: 1.400 to 1.620	Ea.
11-520D	Range: 1.600 to 1.820	Ea.
<i>w/o 3-pt Certification; For liquids lighter than water</i>		
11-512C	Range: 0.890 to 1.000	Ea.
11-512D	Range: 0.650 to 1.000	Ea.

## Fisher Scientific™ Specific Gravity/Baume Hydrometers

- Permanently marked with individual serial numbers



Cat. No.	Description	Quantity
<i>Without 3-pt certification for liquids heavier than water</i>		
11-540A	Range: 1.000 to 1.220	Ea.

## Fisher Scientific™ Alcohol Hydrometers

- Tralle scale, 0 to 100% graduated in 1% divisions
- Proof scale, 0 to 200 in two proof divisions
- Permanently marked with individual serial numbers
- Approximate liquid volume, 250mL



Cat. No.	Description	Quantity
11-590	Without 3-pt certification	Ea.

### Portable Refractometers

## Fisher Scientific™ Handheld Refractometers



Cat. No.	Description	Quantity
13-946-28	Automotive	Ea.
13-946-27	For saltwater/brine	Ea.
13-946-20	0deg to 18deg Brix range in 0.1deg Divisions	Ea.
13-946-26	With ATC; 0deg to 32 deg Brix range in 0.2deg Divisions	Ea.
13-946-21	0deg to 32deg Brix range in 0.2deg Divisions	Ea.
13-946-22	28deg to 62deg Brix range in 0.2deg Divisions	Ea.
13-946-23	45deg to 82 deg Brix range in 0.5 deg Divisions	Ea.
13-946-24	58deg to 90deg Brix range in 1.0deg Divisions	Ea.

### Density and Specific Gravity Measurements

## Fisherbrand™ Pycnometer

- Three-part aluminum alloy construction
- Withstands pressure needed to expel air from viscous material and fill pycnometer completely
- Three-part construction allows close manufacturing tolerances, prevents material under test from being forced into threads
- Parts are cut from solid bar stock to avoid pits or cavities



Cat. No.	Description	Quantity
03-247Q	Pycnometer	Ea.

Electrochemistry

Benchtop Multiparameter Meters

# Fisher Scientific™ accumet™ AB Benchtop Meters

- Optional stirring probe accessory with five speed settings
- Compact size conserves valuable bench space
- Large display shows measurement and temperature at all times
- Automatic Temperature Compensation (ATC) in °C or °F
- Graphic display with adjustable backlight
- Date and Time to meet GLP
- Password protection
- Optional calibration reminder and high/low alarm
- 500-point memory — log manually or at intervals
- Easy-to-understand prompts
- Easily view calibration data
- 100 to 240V power supply includes multi-plugs for use around the globe
- Select preferred language as displayed on instrument — choose from English, German, Chinese, French, Italian and Spanish



# Fisher Scientific™ accumet™ XL Benchtop Meters

- High-resolution color display provides crystal clear data from wide viewing angles and at a distance
- Improved touch-screen with glass/glass sensitivity provides unmatched ease of operation and setup
- Optional stirring probe accessory provides mixing at 5 speeds without a stir plate; connect one or two stirring probes
- RJ45 Ethernet/Internet port—connect to Local Area Network (LAN) or Internet, print data to a network USB host connectivity for peripherals such as keyboard, mouse, or other USB device
- Compact RS-232 printer (13-637-690) available or use with widely available USB printers such as Dell™ 1130N
- Every instrument includes one electrode arm for use in three different positions; Every instrument can accept another electrode arm to perform measurements, and from either or both sides
- Optional calibration reminder & high/low alarm
- Allows up to 10 password protected ID's; each includes memory to store 2000 data points
- Base ID's on individual users, applications, or projects to keep data separate, and retain unique calibration and instrument settings
- Setup screens allow for simple but extensive customization
- Calibrate with custom pH buffer values or automatically from one of six preset buffer groups including pure water buffer group
- Increased 2000 point memory for up to 10 user ID's—add data manually or at specified intervals
- Bidirectional communication for LIMS connectivity and 3rd party software
- Preferred language setting displayed on the instrument
- 100-240 V power supply includes multi-plugs for use around the globe
- Wall-mounting back panel creates additional bench space
- Date and Time to meet GLP
- User prompts and context-specific “help” screens guide you through operation



Cat. No.	Description	Quantity
13-636-AB150A	AB150 pH Meter	1/EA
13-636-AB200A	AB200 pH/Conductivity Meter	1/EA
13-636-AB200	AB200 pH/Conductivity Kit	1/EA
AB200CERT	AB200 pH/Conductivity Kit with NIST-traceable certificate	Ea.
13-636-AB250A	AB250 pH/ISE Meter	1/EA
13-636-AB250	AB250 pH/ISE Kit	1/EA
AB250CERT	AB250 pH/ISE Kit with NIST-traceable certificate	Ea.
AB250ACERT	AB250 pH/Conductivity Meter with NIST-traceable certificate	Ea.
AB150ACERT	AB150 pH Meter with NIST-traceable certificate	Ea.
13-636-AB150	AB150 pH Kit	Ea.
AB150CERT	AB150 pH Kit with NIST-traceable certificate	Ea.
13-636-AB150B	AB150 pH Bio Kit	Ea.
AB150BCERT	AB150 pH Bio Kit with NIST-traceable certificate	Ea.
AB200ACERT	AB200 pH/Conductivity Meter with NIST-traceable certificate	Ea.

Cat. No.	Description	Quantity
13-636-XL150A	XL150 pH Meter	Ea.
XL150ACERT	XL150 pH Meter with NIST-traceable certificate	Ea.
13-636-XL150	XL150 pH Kit	Ea.
13-636-XL200A	XL200 pH/Conductivity Meter	Ea.
13-636-XL200	XL200 pH/Conductivity Kit	Ea.
13-636-XL250A	XL250 Dual pH/ISE Meter	Ea.
13-636-XL250	XL250 Dual pH/ISE Kit	Ea.
13-636-XL500A	XL500 Dual pH/ISE/Conductivity Meter	Ea.
13-636-XL500	XL500 Dual pH/ISE/Conductivity Kit	Ea.
13-636-XL600A	XL600 Dual pH/ISE/Conductivity/DO Meter	Ea.
13-636-XL600	XL600 Dual pH/ISE/Conductivity/DO Kit	Ea.
13-636-XL600D	XL600 Dual pH/ISE/Conductivity/DO Deluxe Kit	Ea.
XL600DCERT	XL600 Dual pH/ISE/Conductivity/DO Deluxe Kit with NIST-traceable certificate	Ea.

**Benchtop pH Meters**

## Fisher Scientific™ accumet™ Excel XL15 pH/mV/Temperature Meter

**Simple but powerful; large, full color, touchscreen display**

- Auto-calibrates with up to six pH buffers from three standard sets and 15 different buffers; custom buffers and manual calibration pH mode accepts standard or accuFet™ nonglass electrodes
- Windows CE™-driven, full-color touchscreen provides unmatched ease of use in operation and setup



**Simplified operation and top performance**

- Windows CE operating system makes operation intuitive from the first time you turn it on
- Easily recognizable icons help you get to setup or measurement modes quickly, for both everyday measurements and more complicated routines

**Full-function pH and mV capabilities**

- Extended pH range: -2 to +20pH; reads to 0.1mV for accurate titrations and ORP readings, too
- Adjustable resolution to 0.001pH
- Calibration at up to six points for exceptional accuracy of ±0.002pH

**Extensive GLP capabilities**

- Customizable printer/computer output
- 1000-reading datalog capability
- Print Setup lets you print exactly what you want, when you want
- Displays time in 12- or 24-hour format, date in U.S. or international format
- USB port lets you connect keyboard, mouse, or trackball for meter control, or connect printer or PC for data output
- RS-232 serial port lets you connect to PCs or printers without USB, or frees computer USB port while using the meter is in use
- Ethernet allows unmatched LAN connectivity and even allows software upgrades

Cat. No.	Description	Quantity
13-636-XL15	Excel XL15 pH Meter Kit	Ea.

**Conductivity Meters - Benchtop**

## Fisher Scientific™ Traceable™ Bench Conductivity Meter

- Features six modes — conductivity, resistivity, total dissolved solids, salinity, concentration and temperature readings
- Ideal for ISO 9000 and government certification requirements
- Autorange automatically selects most appropriate range for current reading unless feature is disabled
- Controls allow operator to calibrate to solution standards; four calibration points ensure accuracy over entire range



**Automatic or manual temperature compensation is defeatable**

- Automatic/manual temperature compensation with readings referenced to international standard of 25°C
- Temperature compensation disable function fulfills USP-NF (United States Pharmacopeia, National Formulary, 645 Conductivity Measurement) requirements

**Multiple applications plus connectivity**

- Measures conductivity in chromatography, biology, food, electronics and water analysis
- Meets CAP, ASTM™, NCCLS, and ACS specifications in measuring reagent-grade water
- Includes certificate to indicate instrument traceability to standards provided by the National Institute of Standards and Technology; calibrated by an ISO 17025 calibration laboratory accredited by A2LA
- RS-232-C output allows readings to be downloaded to accessory datalogger or computer

Cat. No.	Description	Quantity
09-330	Conductivity meter; Benchtop	Ea.

**Conductivity Meters - Portable**

## Fisher Scientific™ accumet™ AP75 Portable Waterproof Conductivity/TDS Meter

- Selectable cell constant (0.1cm<sup>-1</sup>, 1.0cm<sup>-1</sup>, or 10cm<sup>-1</sup>)
- Autoranges for conductivity across five ranges and TDS across six for fast response
- Calibration up to five points for both conductivity and TDS measurements
- Adjustable temperature coefficient from 0 to 10% per °C offers accurate compensation in almost any solution
- Selectable auto endpoint freezes reading immediately after meter indicates stabilization
- Expanded memory function stores and recalls up to 50 readings
- Real-time clock enables stored and calibration data to be combined with date and time for more complete recordkeeping
- HOLD function and auto shutoff



Cat. No.	Description	Quantity
13-636-AP75A	Conductivity Meter; AP75	Ea.
13-636-AP75	Conductivity Meter Kit; AP75	Ea.



## Fisher Scientific™ accuMET™ AP85 Portable Waterproof pH/Conductivity Meter

- Advanced set-up mode for customizing meter parameters
- Selectable automatic endpoint freezes reading immediately after stabilization
- HOLD button freezes reading
- Self-diagnostic: meter indicates when it is ready to operate; error messages alert operator to problems
- ISO™ 9001 certified manufacturer



### Powerful pH Mode

- Recalls pH electrode slope and offset
- Has five-point calibration with automatic buffer recognition

### Conductivity and TDS Modes

- Recalls and customizes effective cell constants for each range
- Autoranging for conductivity across five ranges
- Autoranging for TDS across six ranges
- Five-point calibration for ±1% full-scale accuracy

### Flexible Temperature Mode

- Select temperature in °C or °F Set coefficient from 0 to 10% for accurate compensation in almost any solution
- Manual or automatic temperature compensation

Cat. No.	Description	Quantity
13-636-AP85A	Ap85a Ph/cond Mtr/prb Wtrprf	Ea.
13-636-AP85	Ap85 pH/conductivity meter kit	Ea.

### Electrochemistry

## Fisher Scientific™ accuMET™ AP110 and AP115 Portable pH Meters

### AP110 pH/mV/Temp meter features:

- Rugged waterproof housing, IP67 rated
- Large LCD with backlighting and plain-language text—easy to see and use
- Wide ranges: -2.00 to +20.00pH, 0 to ±2000.0mV, -5° to +100°C
- Adjustable pH resolution
- 200 data points internal memory
- Slope display
- Auto-off
- Full three-year meter warranty



### AP115 pH/mV/Temp meter offers all features of the AP110 plus:

- 0.001pH resolution
- Date/time display to meet GLP requirements

Cat. No.	Description	Quantity
13-636-AP110	accuMET AP110 Meter Kit	Ea.
13-636-AP115	accuMET AP115 Meter Kit	Ea.

## Fisher Scientific™ accuMET™ Waterproof AP71 and AP72 pH/mV/Temperature Meters

- Ergonomic design fits comfortably in the hand
- Electrode bracket positions electrode for one-handed operation
- Advanced set-up mode lets user customize meter parameters and check electrode slope and offset to assure electrode accuracy
- Read pH, absolute mV or relative mV and temperature
- Accuracy of ±0.01pH and ±0.02mV
- Manual or automatic temperature control
- Five-point push-button pH calibration and automatic buffer recognition (pH 1.68, 4.01, 7.01, 10.01, 12.45)
- HOLD function, Ready indicator and automatic shut-off function



Cat. No.	Description	Quantity
13-636-AP72	Model AP72; Meter kit	Ea.

### Electrode Accessories

### Dissolved Oxygen Probe Accessories

## Fisher Scientific™ Dissolved Oxygen Membrane Kit

- Includes six membrane caps, polishing disk and electrolyte filling solution

Cat. No.	Description	Quantity
13-637-DOM	Do Membrane Kit 6 Per Kit	Ea.

### pH Electrode Accessories

## Fisher Scientific™ accuMET™ Electrode Reservoir - Mercury - Free

- Stores individual electrode in appropriate soaking solution, without dried-out soaking beakers or messy spills
- Keeps electrodes conditioned and ready for use
- Oval polyethylene bottle 1L × 2W × 3.75"H (2.5 × 5.1 × 9.5cm)
- Cap includes additional O-rings for use with any 6mm, 10mm, or 12mm diameter electrode
- O-ring provides leakproof seal



Cat. No.	Description	Quantity
13-620-499	1L × 2W × 3.75 in. H	Ea.

## Fisher Scientific™ accuMET™ Electrode Storage Solution

Solution of potassium hydrogen phthalate—potassium chloride conditions electrodes when not in use

Cat. No.	Description	Quantity
SE40-1	CAS: (877-24-7); Poly Bottle; 1L	Ea.

## Fisher Scientific™ Filling Solution for accuCap™ Electrode

- Fluid gel KCl
- In 60mL (2 oz.) bottles
- Replaces 13-620-430
- For accuCap Glass Body Refillable Electrode 13-620-130



Cat. No.	Description	Quantity
13-636-430	For accuCap 13-620-130 electrode	Ea.

### Electrodes

#### Automatic Temperature Compensation Probes

## Fisher Scientific™ accuMet™ Automatic Temperature Compensation Probes - Mercury - Free

- Signal solution temperature to meter for automatic compensation
- Permit temperature readout with meters having this feature
- Probes for accuMet AP Series portable meters have waterproof connector



Cat. No.	Description	Quantity
13-620-19	Mini-phone plug connector; 316 stainless steel; 3 ft. cable	Ea.

### Conductivity

## Fisher Scientific™ accuMet™ Two-Cell and Four-Cell Conductivity Probes - Mercury-Free

- Two- or four-cell types with glass or epoxy bodies
- Cell constants of 0.1, 1.0, or 10.0cm<sup>-1</sup>



Cat. No.	Description	Quantity
<i>Two-Cell</i>		
13-620-161	Cell constant: 0.1cmE sup-11; Epoxy body	Ea.
13-620-155	Cell constant: 1.0cmE sup-11; Glass body	Ea.
13-620-160	Cell constant: 1.0cmE sup-11; Glass body	Ea.
13-620-162	Cell constant: 10.0cmE sup-11; Epoxy body	Ea.
<i>Four Cell</i>		
13-620-163	Four-Cell; Cell constant: 1.0cmE -11; Glass body	Ea.
13-620-164	Four-Cell; Cell constant: 10.0cmE -11; Glass body	Ea.
13-620-165	Four-Cell; Cell constant: 1.0cmE -11; Epoxy body	Ea.
13-620-166	Four-Cell; Cell constant: 10.0cmE -11; Epoxy body	Ea.

### Conductivity Cells

## Fisher Scientific™ accuMet™ Replacement Conductivity/TDS/ Temperature Probe - Mercury - Free



#### Replacement for:

- AccuMet AP75, AP85 Portable Meters
- Oakton™ CON 11, CON 110, CON 400, CON 410, pH/CON 300, TDS 400 Portable Meters
- Oakton CON 510, pH/CON 510 Benchtop Meters

Cat. No.	Description	Quantity
13-620-AP54	Conductivity/TDS/Temperature Probe; 3ft., (0.9m)	Ea.

### Ion Selective Electrodes - Combination

## Fisher Scientific™ accuMet™ Glass Membrane Sodium Combination ISE

#### Epoxy body sodium combination ISE

- Specially formulated sodium-responsive glass bulb
- Direct measurement of active sodium ion concentration
- Integral calomel reference half-cell with saturated KCl electrolyte
- Porous ceramic junction
- Tough epoxy body



#### Features

- Low drift, fast response, high selectivity ratio, good thermal stability and wide operating range
- Removable end protector guards against breakage of the glass bulb, permits easy cleaning
- End-cot closure simplifies storage, eliminates soaking bottles
- Continuous electrical shielding and insulation of internal elements, cable and connector
- Extremely stable, reproducible readings with a minimum of electrical noise
- Rapid response time that lowers cost per test
- Individually tested, serialized to meet GLP requirements, and backed by the Fisher Scientific™ Technical Applications staff

#### Applications

- Sodium testing in meats, fish, dairy products, fruit juices, brewing water, groundwater, seawater, soils, body fluids
- Ideal for measurements of small samples or testing in small vessels

#### Dimensions

- Diameter: body, 0.5" (12.7mm); cap, 0.625" (16mm)
- Length: 4.5"L (11.4cm) body, 1"L (2.5cm) cap, 5.5"L (14cm) overall. With 30" (76.2cm) lead

Cat. No.	Description	Quantity
13-620-503A	0 to 14pH Range	Ea.

pH ORP Titration - Combination

## Fisher Scientific™ accuCap™ Capillary Junction pH Combination Electrodes - Mercury-Free

### accuCap™ Glass Body Fluid Gel Refillable Electrode



- Unique fluid-gel electrolyte and accuCap junction provide faster flowrate, improved contact between electrolyte and sample
- Faster response time and very accurate readings
- Double-liquid-junction further extends diffusion barrier for increased electrode life in aggressive samples
- Also performs well in liquids with low ion concentration and in partly aqueous samples

### accuCap™ Glass Body Gel-Filled Electrode

- Standard glass body and pH membrane
- Solid polymer-gel electrolyte offers the advantages of the accuCap system in a maintenance-free version
- Provides a more stable matrix than other gelled electrode reference systems
- Gives reliable results in very dirty, ion-weak or protein samples
- Reliable even at low pH or in presence of organic solvents

### accuCap™ Plastic Body Gel-Filled Electrode

- Standard plastic body and glass pH membrane
- Solid polymer-gel electrolyte offers the advantages of the accuCap system in a maintenance-free version
- Provides a more stable matrix than other gelled electrode reference systems
- Gives reliable results in very dirty, ion-weak or protein samples
- Reliable even at low pH or in presence of some organic solvents (check compatibility before measuring)

### accuCap™ Glass Body Gell-Filled Spear Tip Electrode

- Glass body and pH membrane
- Rugged spear tip is ideal for soft foods
- Polymer gel electrolyte provides reliable performance with difficult samples

Cat. No.	Description	Quantity
<b>Glass Body</b>		
13-620-130	Refillable; BNC connector	Ea.
<b>Plastic Body</b>		
13-620-132	Gel filled; BNC connector	Ea.

## Fisher Scientific™ accuCap™ Gel-Filled Polymer Body pH/ATC Double-Junction Combination Electrodes - Mercury-Free

- Three-in-one construction for convenient testing of small samples using a single probe
- Gel-filled reference cell and Fisher Scientific™ universal glass membrane recessed in end for rapid, reproducible response
- Rapid pH testing in the field or with difficult samples
- Dual junctions provide fast response and long life anywhere junction clogging may be a problem
- Inner chamber houses reference element with gelled KCl and AgCl; outer chamber contains KCl only
- Permanently gel filled



Cat. No.	Description	Quantity
13-620-111	pH/ATC; BNC/Mini-phone ATC connectors	Ea.

## Fisher Scientific™ accuCap™ Gel-Filled Polymer Body Single-Junction pH Combination Electrodes, Mercury-Free

- Standard-size polypropylene body
- Ideal for handheld use with aqueous samples
- Rugged construction for use anywhere rough handling and breakage are problems and where maintenance is difficult
- Glass pH bulb is recessed in tip for built-in protection
- Endcap seal keeps membrane moist between uses
- Ag/AgCl internal reference element, porous ceramic junction
- Filled with gelled 4M KCl saturated with AgCl electrolyte; never need refilling
- Measures 5.75" long (14.7cm) overall
- Full 0 to 14pH range
- Temperature range: -5° to +80°C (23° to 176°F)



Cat. No.	Description	Quantity
13-620-108A	BNC connector	Ea.

## Fisher Scientific™ accuCap™ Glass Body Standard Size Combination Electrodes - Mercury-Free

- 0 to 14pH range
- Porous ceramic junction
- Twist-open/twist-close cap for easy filling
- Constant distance between FS-5 Universal Glass pH bulb and reference junction means high reproducibility
- Immersion depth, ~4" (10cm)
- 30" long (76.2cm) leads, except 13-620-91, which has 60" (152.4cm) lead



Cat. No.	Description	Quantity
13-620-285	Single-Junction Ag/AgCl reference; BNC Connector	Ea.
13-620-223A	Double-junction, Ag/AgCl reference; BNC Connector	Ea.

## Fisher Scientific™ accumet™ Liquid-Filled Epoxy Body pH Combination Electrodes - Mercury-Free

- Rugged epoxy body
- Single porous ceramic junction
- BNC connector



Cat. No.	Description	Quantity
13-620-289	pH Single-Junction Flat Surface Combination, Ag/AgCl reference; BNC connector	Ea.

## Fisher Scientific™ accumet™ Liquid-Filled Mercury-Free pH/ATC Epoxy Body Combination Electrodes

- Rugged standard-size epoxy body
- Double-junction design prevents reference contamination; compatible with TRIS applications; mercury free
- Liquid filled design provides quick response
- Porous ceramic junction, Ag/AgCl reference
- Built-in ATC probe



Cat. No.	Description	Quantity
13620AP61	w/BNC and ATC connectors, waterproof	Ea.
13620631	w/BNC and Mini-phone ATC connectors	Ea.

## Fisher Scientific™ accumet™ Liquid-Filled pH/ATC Epoxy Body Combination Electrodes - Mercury-Free

- Rugged standard-size epoxy body
- Single porous ceramic junction
- Built-in ATC probe
- BNC pH/ATC connectors



Cat. No.	Description	Quantity
13-620-530A	Epoxy body; Single junction; Ag/AgCl reference; BNC connector	Ea.

## Fisher Scientific™ accumet™ Liquid-Filled Polymer Body Combination Electrodes - Mercury-Free

### Standard pH Combination Electrodes

- Rugged polypropylene body—ideal for handheld use with aqueous samples
- Endcap seal keeps membrane moist and ready
- 0 to 14pH range
- All have porous ceramic junction
- Available with single-junction Ag/AgCl reference or with double-junction Ag/AgCl reference



Cat. No.	Description	Quantity
13-620-287A	accumet pH combination; Std. Size Single-Junction Ag/AgCl reference; PP body, BNC connector	Ea.

## Fisher Scientific™ accumet™ Micro and Semimicro Size Glass Combination Electrodes - Mercury - Free

- Zero to 14pH range
- Ideal for microwell plates, serum cups, cuvetts, micro test tubes, NMR tubes and capillary tubes



Cat. No.	Description	Quantity
13-620-291	Micro tip, 100mm length	Ea.
13-620-292	Micro tip, 150mm length	Ea.

## Fisher Scientific™ accumet™ pH/ATC Electrode for AP60 and AP100 Series Meters - Mercury - Free

- Liquid-filled
- Ag/AgCl reference
- Single junction
- BNC/Mini-Phone waterproof connectors for AP60 Series portable models
- pH range: 0 to 14
- Temperature range: 0° to 100°C
- Probe length: 102mm
- Probe diameter: 10mm
- Cable length: 76cm



Cat. No.	Description	Quantity
13-620-AP50A	Liquid-filled polymer body; Single-junction; Ag/AgCl reference; BNC and Mini-Phone connectors	Ea.

## Fisher Scientific™ accumet™ pH/ATC Probe for AP80 and AP70 Series Portable Meters, Mercury-Free

- All-in-One pH/temperature probe
- Liquid-filled Ag/AgCl reference element
- Rugged plastic body



Cat. No.	Description	Quantity
13-620-AP55	All-in-one Replacement Probe	Ea.

## Fisher Scientific accumet™ Submersible pH Combination Electrode



Cat. No.	Description	Quantity
13-620-AP56	accumet pH Submersible Combination Electrode: Single junction	Ea.

## Fisher Scientific™ accuTupH™ Rugged Bulb pH Combination Electrodes - Mercury-Free



Cat. No.	Description	Quantity
13-620-632	Double junction Ag/AgCl reference; BNC connector; built-in temperature control	Ea.
13-620-183A	Double junction Ag/AgCl reference; BNC connector	Ea.

### pH ORP Titration - Indicating Half Cell Electrodes

## Fisher Scientific™ accumet™ Mercury-Free Silver Billet Half Cell Electrode

- Extra-large silver billet half cell
- Glass body, 14cmL
- Temperature range -5° to +100°C (+23° to +212°F)
- Body, 10mm diameter
- Pin connector



Cat. No.	Description	Quantity
13-620-122	Glass Body, Silver Billet, Large Surface Area	Ea.

## Fisher Scientific™ accumet™ pH Indicating Full-Range/High-pH Glass Body Models - Mercury - Free

- Zero to 14pH range



Cat. No.	Description	Quantity
13-620-1	U.S. Standard connector	Ea.

### pH ORP Titration - Reference Half Cell Electrodes

## Fisher Scientific™ accumet™ Epoxy Body Calomel Reference Electrodes

- Rugged epoxy body for in-plant monitoring, field measurements, instructional labs, classrooms
- Stable with ion-selective electrodes
- Tough enough to hand hold, use directly in a vessel, stir solutions
- No need for auxiliary stirrer



Cat. No.	Description	Quantity
13620259	Gel-filled Calomel Reference Electrode	Ea.
13620258	Liquid-filled Calomel Reference Electrode	Ea.



## Fisher Scientific™ accuMET™ Glass Body Ag/AgCl Reference Electrodes - Mercury-Free

### Glass body for resistance to wide variety of solutions

- Operating temperature range of -5° to +110°C (23° to 230°F)
- 0 to 14pH range
- Standard reference pin connector
- All have 8µL/hr. flowrate



Cat. No.	Description	Quantity
13-620-216	Ag/AgCl Single-Junction High Temperature Reference Electrode; For silver/chloride titrations	Ea.
13-620-53	Ag/AgCl Single-Junction High Temperature Reference Electrode	Ea.

### Humidity Instruments

#### Hygrometers - Electronic

## Fisher Scientific™ Traceable™ Digital Hygrometer/Thermometer

- Displays 25 to 95% RH with accuracy of ±2% at mid-range and ±4% at ends of range; resolution is 1% RH
- Displays temperatures from 0° to 50°C and 32° to 122°F with 0.1° resolution
- Temperature accuracy: ±1.0°C from 0° to 40°C (±2°C otherwise); ±1.8°F from 32° to 104°F (±3.6°F otherwise)
- Adjustment not necessary
- Hang on the wall or use included plastic stand
- Housed in rugged ABS case



Cat. No.	Description	Quantity
11-661-7D	Dual display	Ea.

## Fisher Scientific™ Traceable™ Humidity Meter

- Measures relative humidity from 10 to 95%, with 0.1% resolution and ±2% (mid-range), ±4% (ends of range) accuracy
- Reads temperatures from -18° to +93°C (0° to +199.9°F), with 0.1° resolution and accuracy of ±1°C (from 0° to 40°C) and ±2°C (at ends of range)
- Results appear on 1.12" LCD
- Response time <10 seconds
- RS-232-C serial computer output
- Miniature probe
- Shockproof ABS plastic case



Cat. No.	Description	Quantity
11-661-18	Humidity meter with probe	Ea.

## Fisher Scientific™ Traceable™ Jumbo Thermo-Humidity Meter

- Humidity range: 25 to 95% RH, with 1% resolution and ±2% (midrange) to ±4% (outside midrange) accuracy
- Ambient temperature range: -5° to +50°C (+23° to +122°F)
- External temperature probe (included) reads -50° to +70°C (-58° to +158°F)
- Resolution to 1° and accuracy ±1°C for both ambient and external temperature readings
- Dual-recall (minimum and maximum) memory can be displayed or cleared at the touch of a button
- Permits monitoring conditions overnight, weekends, or during any user-set time period
- External temperature sensor and cable perform accurately under water
- Unit is battery-operated, self-contained, stable, and accurate; requires no adjustment or maintenance



Cat. No.	Description	Quantity
11-661-19	Jumbo Thermo-humidity meter	Ea.

## Fisher Scientific™ Traceable™ Relative Humidity/Temperature Meters

- Humidity range: 25 to 95% RH, Accuracy: ±2% (midrange) to ±4% (outside midrange)
- Continuously and simultaneously display relative humidity (11-661-11) or humidity/temperature (11-661-12) in extra-large, 0.62"-high (1.5cm) digits
- Made from high-impact, chemical-resistant ABS plastic



Cat. No.	Description	Quantity
11-661-13	With temperature memory readout	Ea.

## Fisher Scientific™ Traceable™ Remote Alarm RH/Temperature Monitor

- Temperature range: -50° to +70°C (-58.0° to +158.0°F) with 0.1° resolution and ±1°C accuracy
- Humidity range: 20 to 99% with 1% resolution and ±3% accuracy RH (midrange; otherwise ±5%)
- High-visibility 0.5" high digits simultaneously display high, low and current readings for temperature or humidity
- Minimum/maximum memory for temperature and humidity
- Alarm can be set in 1% RH and 1° increments; sounds when reading moves outside setpoints
- External sensor on 7' (2.13m) cable
- High-impact, chemical-resistant ABS plastic case
- With flip-open stand for benchtop; slot for wall mounting



Cat. No.	Description	Quantity
14-649-84	Remote alarm RH/temperature monitor	Ea.

## Fisher Scientific™ Traceable™ Temperature/Humidity Meter

- Serial RS-232 output allows connection to a computer to download datalogger results for constant monitoring
- Datalogger captures 1000 readings manually or automatically when set between 1 and 3600 second (sold separately)
- Temperature range, 0° to 50°C (32° to 122°F), with 0.01° resolution, ±1°C accuracy
- Relative humidity range, 10 to 95% RH, with 0.01% resolution, ±3% accuracy
- Memory recalls maximum, minimum, and average readings
- HOLD button freezes display for later reading
- Large display (1.37"H) shows temperature and humidity simultaneously



Cat. No.	Description	Quantity
11-661-21	Temperature/humidity meter	Ea.

### Light Meters

## Fisher Scientific™ Traceable™ Dual-Display Light Meter

### Three Ranges

- Measures lux from 0 to 1999, 2000 to 19,990 and 20,000 to 50,000 (with resolutions ranging from 1 to 100 lux)
- Measures foot-candles from 0 to 199.9, 200 to 1999 and 2000 to 5000 (with resolutions ranging from 0.1 to 10 ft.-c)
- Accuracy is ±4.5% of full scale reading



### Features

- Zero reference points for daylight, tungsten, fluorescent and mercury; can report percent differential from reference point
- Photodiode and color-correction filter provide cosine- and color-corrected measurements
- Push-button access to highest, lowest and average readings
- HOLD function freezes display to capture readings
- Optional Data Acquisition System (11-661-22) or Data Logger System (06-662-72) required to transfer readings to computer

Cat. No.	Description	Quantity
06-662-64	Fisher Scientific Light Meter For Pc	Ea.

## Fisher Scientific™ Traceable™ Dual-Range Light Meter

- Lux measurements: three ranges from 0 to 1999, 2000 to 19,990 and 20,000 to 50,000 lux; resolution from 1 to 100 lux; accuracy of ±5% plus two digits
- Foot-candle measurements: three ranges from 0 to 199.9; 200 to 1999 and 2000 to 5000 ft.-c.; resolution from 0.1 to 10 ft.-c; accuracy of ±5% plus two digits
- Push-button access to highest, lowest and average of recorded readings
- DATA HOLD function "freezes" display while analog output allows readings to be captured by a recorder
- Photodiode and color-correction filter provide cosine- and color-corrected measurements



Cat. No.	Description	Quantity
06-662-63	Fisher Scientific Light Meter	Ea.

### Microplate Readers

## Fisher Scientific™ Multiskan™ FC Microplate Reader

### Wide variety of photometric applications

- Equipped with linear shaking as a standard feature
- Fast, accurate measurements provide complete 96-well plate reading in less than six seconds
- Model with incubator provides incubation temperatures up to 50°C and the capacity to read 384-well plates
- Wide wavelength range from 340 to 850nm enables a wide variety of applications from enzyme kinetic studies through to Lowry assays
- Eight-position filter wheel with three standard filters 405, 450 and 620nm pre-installed



### Easy to use with internal software or under PC control

- Combined with the simple and logical internal software and multiple language options, ensures excellent usability and easy assay setup
- Highly visual and logical user interface of SkanIt™ Software for PC control makes assay setup and data handling for both research and routine applications easy
- Graphical step list feature allows straightforward setup of any assay

Cat. No.	Description	Quantity
14-387-360	Standard	Ea.
14-387-361	w/Incubation up to 50deg.C	Ea.

Sound Measuring Instruments

Sound Level Meters

### Fisher Scientific™ Traceable™ Sound Level Meter

- Three decibel ranges for greater precision
- Adjustable response times
- Measures low (30.0 to 80.0dB), medium (50.0 to 100.0dB), high (80.0 to 130.0dB)



Cat. No.	Description	Quantity
11-661-6A	Sound Level Meter	Ea.

Tachometers and Stroboscopes

### Fisher Scientific™ Traceable™ Digital Tachometers

- Measures the speed of a centrifuge from a distance up to 12" (30cm)
- Five-digit LCD; memory feature lets you recall the highest, lowest, and last reading
- Rugged ABS case



Cat. No.	Description	Quantity
05-028-24	Traceable digital tachometers	Ea.
05-028-23	For touchless and contact measurements	Ea.

Thermometers

Digital Thermometers

### Fisher Scientific™ Digital Thermometers with Stainless-Steel Probe on Cable

- Easy-to-read digital thermometers are compact to hold in your hand or mount on wall in restricted areas
- Stainless-steel probe may be used to measure temperature of gases, liquids, food, and other semisolids
- Models 15-077-16, -15, -21, -8B, -29 and 14-648-46 have alarm that can be set to alert user to temperatures that exceed setpoints
- Some models (such as 15-077-16 and -15) have special features that print temperature, high/low memory and time of day; 15-077-29 thermometer has additional timer alarms
- For a miniature-size thermometer, see model 15-077-32



Cat. No.	Description	Quantity
15-077-8B	-50deg. to +260deg.C, -58deg. to +500.8deg.F	Ea.

### Fisher Scientific™ Digital Thermometers with Stainless-Steel Stem

- Short-stem piercing models are ideal for carrying in a pocket
- Longer probes are excellent for measuring sample temperatures while stirring in deep vessels or water baths
- Thermometers with longer sampling rates allow thermometer to be removed from sample before reading—ideal when display is difficult to read in measuring position



Cat. No.	Description	Quantity
15078J	Accuracy/Resolution: 0.1deg. from - 50deg. to + 150deg. C	Ea.
14-648-44	Accuracy/Resolution: 0.1deg. from -20 to +100deg., 1deg. outside this range/+-1deg.C	Ea.
14-648-12	Accuracy/Resolution: 0.1deg. from -20deg. to +200deg., 1deg. outside this range/+-0.2deg.C	Ea.
06-664-33	Accuracy/Resolution: 0.1deg. from -20deg. to +200deg., 1deg. outside this range/+-0.4deg.	Ea.
15-077-61	Accuracy/Resolution: 0.1deg. from -20deg. to +200deg., 1deg. outside this range/+-0.5deg.C	Ea.
15-078L	Accuracy/Resolution: 0.1deg. from -20deg. to +200deg./+-1deg.C	Ea.
14-648-43	Accuracy/Resolution: 0.1deg. from -20 to +200deg., 1deg. outside this range/+-1deg.C	Ea.
15-078G	Accuracy/Resolution: 0.1deg. from -20deg. to +200deg., 1deg. outside this range/+-1.5deg.C	Ea.

### Fisher Scientific™ Traceable™ Digital Thermometers

- Switch-selectable temperature ranges: -50° to +150°C and -58° to +302°F
- Accuracy is ±0.05°C and ±0.09°F
- Resolution: 0.001°
- Easy-to-read 0.5"H (13mm) LCD, a MIN/MAX memory
- HOLD button, and datalogger with 50 readings and an RS-232 port
- Optional fast-response, stainless-steel, triple-purpose probe; readings are updated three times per second



Cat. No.	Description	Quantity
15-077-8	With general-purpose probe	Ea.

## Fisher Scientific™ Traceable™ Digital Thermometers with Short Sensors

- Epoxy sensor with cable
- Select the correct temperature to use in water baths, refrigerators, incubators and tanks
- Choose from models with a variety of features including MAX/MIN function to record the maximum and minimum temperature in a certain time period; visual and audible alarms and multiple displays of recorded temperatures



Cat. No.	Description	Quantity
15-077-27	-50deg. to +70deg.C; 0.1deg./+/-1deg.C	Ea.
15-077-17B	Celsius scale	Ea.
15-077-22	Combined scale	Ea.
15-077-8D	Refrigerator/Freezer Thermometer/Alarm w/probe and cable	Ea.
15-077-8C	Dual scale	Ea.
15-077-17A	Range: -58 to +158deg.F; Resolution/Accuracy: 1deg./+/-1deg.F	Ea.

## Fisher Scientific™ Traceable™ Double Thermometer with Computer Output

- Comes with two Type-K beaded thermocouple probes with a response time of less than one second and 48" (1.22m) of PTFE-coated cables
- Includes switch-selectable Celsius and Fahrenheit scales; operates over a wide range of -50 to +1230°C and -50 to +1999°F
- Resolution: 0.1° below 199.9°C/°F and 1° over 200°C/°F
- Accuracy: ±0.75% plus 1°C (±0.75% plus 2°F)
- Housed in durable, impact-resistant ABS plastic case
- Features maximum, minimum and average memory recalls
- HOLD button to freeze display and capture reading
- Serial RS-232 port connects thermometer to computer or datalogger for data collection



Cat. No.	Description	Quantity
15-077-26	Double thermometer with computer output	Ea.

## Fisher Scientific™ Traceable™ Expanded-Range Thermometers

- Range of Celsius model is -40° to +1200°C, range of Fahrenheit model is -40° to +2000°F
- Resolution: 1°
- Typical meter-only accuracy is ±(1°C + 1%) from 0 to 750°C
- Two models are available in either °C or °F
- Two probes allow simultaneous monitoring of two tests
- Three-position switch indicates probe 1, probe 2 or OFF



Cat. No.	Description	Quantity
15-077-10	Range: -40deg. to +2000deg.F; 4 in. cable	Ea.

## Fisher Scientific™ Traceable™ Flip-Stick™ Thermometer

- Features °F/°C switch
- Stainless-steel probe is foldable
- Shockproof and drop-proof up to 5'
- Max/min temperature reading over any period
- Wide temperature range cover most routine measurements



Cat. No.	Description	Quantity
14-648-45	Accuracy: +/-1deg.C	Ea.

## Fisher Scientific™ Traceable™ Kangaroo™ Thermometer

- Intuitive operation allows every user to record identical results
- Unit automatically captures and recalls minimum and maximum temperature readings over any time period
- High and low alarm may be programmed in 1° increments
- Alarm sounds every minute until temperature returns to non-alarm condition
- Hold button freezes display to record a current reading
- Stainless-steel probe for use in acids, bases, and solvents



Cat. No.	Description	Quantity
14-649-79	Kangaroo thermometer	Ea.

## Fisher Scientific™ Traceable™ Memory-Card Humidity/Temperature/Dew Point

Monitors cabinets, incubators, cleanrooms, storerooms, labs, hoods and critical areas

### Thermometer

- Covers 32° to 122.0°F (0° to 50.0°C)
- Min/max displays highest/lowest readings for any time period
- Alarm sets in 0.1 increments
- Alarm beeps and flashes a bright red LED when temperature, humidity or dew point rise above or fall below user set trip points
- Four-line display with 0.7" digits



### DataLogger

- Records readings from once a minute to up to once every 720 minutes on a standard SD memory card
- Captures equivalent of minute-by-minute readings over 10 years
- Supplied memory card reader plugs into any USB computer port for an instant report, with no software to install
- Text report includes date/time-of-day and all sensors readings on a single line
- Report may be sent to any spreadsheet or database

Cat. No.	Description	Quantity
15-081-112	Traceable Memory-Card Humidity/Temperature/Dew Point	Ea.



## Fisher Scientific™ Traceable™ Platinum Ultra-Accurate Digital Thermometer

- With  $-200^{\circ}$  to  $+500^{\circ}\text{C}$  meter range with  $0.001^{\circ}$  or  $0.0001^{\circ}$  resolution
- Displays  $^{\circ}\text{F}$  or  $^{\circ}\text{C}$
- Membrane-covered keys are splash-proof and easy to operate
- Decimal-placement key changes display to show one, two, three, or four significant numbers after decimal
- Internal data logger automatically captures MIN/MAX readings every hour for last 24 hours
- Instant response probe updates readings three times per second for liquids, air/gas, semisolids
- HOLD allows user to freeze display for reading later



Cat. No.	Description	Quantity
15-081-103	With Bullet Probe	Ea.
15-081-102	With Handle Probe	Ea.

## Fisher Scientific™ Traceable™ RTD Platinum Freezer Thermometer

- 10', ultra-thin, ribbon micro-cable permits freezer doors to close on it without affecting the seal
- Fast-response, 100ohm platinum probe is triple purpose for use with liquids, air/gas, and frozen material
- RTD platinum probe measures 0.12 dia.  $\times$  5"
- Resolution,  $0.1^{\circ}$ ; accuracy,  $\pm 2^{\circ}\text{C}$
- High-impact, chemical-resistant ABS case is  $2.75 \times 4.25 \times 0.75$ " ( $7 \times 10.8 \times 1.9\text{cm}$ )
- Weight: 4.25 oz.



Cat. No.	Description	Quantity
15-077-961	RTD platinum freezer thermometer	Ea.

## Fisher Scientific™ Traceable™ RTD Platinum Thermometer

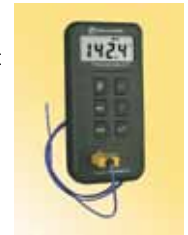
- Resolution:  $0.01^{\circ}$  below  $200^{\circ}$  and  $0.1^{\circ}$  above  $200^{\circ}$
- Accuracy:  $\pm 0.1\%$  plus  $0.2^{\circ}\text{C}$  below  $200^{\circ}$ ,  $\pm 0.15\%$  plus  $0.5^{\circ}\text{C}$  above  $200^{\circ}$
- Probe range:  $-58^{\circ}$  to  $+752^{\circ}\text{F}$  ( $-50^{\circ}$  to  $+400^{\circ}\text{C}$ )
- Features HOLD button to freeze display and capture reading
- Fail-safe display indicates low-battery and probe condition
- Easy-to-read, high-contrast LCD with  $0.51$ "H ( $1.3\text{cm}$ ) digits
- Readings are updated 2.5 times every second



Cat. No.	Description	Quantity
15-077-55	RTD platinum thermometer	Ea.

## Fisher Scientific™ Traceable™ Thermometer with Recorder Output

- Recorder output provides a 1mV signal per degree, which enables thermometer to be used with any chart recorder, strip recorder, or computer that accepts mV signals
- Range is  $-50^{\circ}$  to  $+1300^{\circ}\text{C}$  and  $-58^{\circ}$  to  $+1999^{\circ}\text{F}$  with an accuracy of  $\pm 0.3\%$  of the reading plus  $1^{\circ}\text{C}$
- Resolution is  $0.1^{\circ}$  from  $-50^{\circ}$  to  $+199.9^{\circ}$  and  $1^{\circ}$  for all other readings
- MAXIMUM button captures highest reading
- HOLD button freezes display to capture current reading
- Portable, measures  $2.75\text{L} \times 5.25\text{W} \times 1.25$ "H ( $7 \times 13 \times 3\text{cm}$ )



Cat. No.	Description	Quantity
15-078-38	With recorder output	Ea.

## Fisher Scientific™ Traceable™ Thermometer with Time/Date, Max/Min Memory

- Displays current, minimum, and maximum temperatures
- Display shows min/max of ambient or probe temperature, time of day, and month/day
- Submersible probe; wire mounting bracket permits easy probe placement
- Stainless-steel sensor and 6' (1.8m) cable perform accurately even when both are under water
- Sensor diameter: 0.18"; length: 1.5"
- Resolution is  $0.5^{\circ}$ ; accuracy,  $\pm 1.5^{\circ}\text{C}$
- Dimensions:  $3.5\text{L} \times 3.5\text{W} \times 1$ "H ( $8.9 \times 8.9 \times 2.5\text{cm}$ )
- 15-077-976 comes with special bottle probe specifically for refrigerator/freezer applications



Cat. No.	Description	Quantity
14-648-26	Thermometer only	Ea.
15-077-976	Thermometer with bottle probe for refrigerator/freezer applications	Ea.

## Fisher Scientific™ Traceable™ Thermometer/Clock/Humidity Monitor

- Dual ranges:  $0^{\circ}$  to  $50^{\circ}\text{C}$  and  $32^{\circ}$  to  $122^{\circ}\text{F}$
- Three-line LCD display with  $0.5$ "H ( $13\text{mm}$ ) digits
- Flip-down easel for desktop use
- Switch selectable Celsius or Fahrenheit readings
- Relative humidity range is 20 to 90%, resolution is 1% RH, and accuracy is  $\pm 8\%$
- Memory recalls highest and lowest temperature and humidity readings
- Clock shows time of day to the minute, with accuracy to 0.0190 seconds



Cat. No.	Description	Quantity
06-662-4	Thermometer-clock-humidity monitor	Ea.



## Fisher Scientific™ Traceable™ Total-Range Thermometer

- Fast-response microprocessor updates display twice a second
- Reads from -328° to +2498°F and -200° to +1370°C, with resolution of 0.1° and 1°
- Accuracy: ±1°C between -50°C to +740°C, otherwise ±2°C
- Jumbo-size, 0.62" (15.7mm) digits, back-lighting button
- HOLD button freezes display to capture current reading



Cat. No.	Description	Quantity
15-077-14	Total-range digital thermometer	Ea.

### Infrared Thermometers

## Fisher Scientific™ Traceable™ Infrared Thermometer Gun

- Unique design permits one-handed "point and shoot" readings
- Laser-sighting beam permits aiming precisely at target surface
- Ideal for food preparation, pharmaceuticals, field use, electronics, and safety inspection
- Field of view is 50:1 (example: reads a spot the size of 6 inches from 25 feet away)
- Includes backlighting, data hold (freezes display reading), laser, low-battery indicator, and °C/°F buttons
- 15-077-970 also features min/max memory, average readings, and high/low alarms
- Range is -50° to +1000°C/-58° to +1832°F
- Resolution is 0.1° to 200°, 1° over 200°; accuracy, ±1.5% + 2°C



Cat. No.	Description	Quantity
15-077-969	Emissivity fixed at 0.95	Ea.
15-077-970	Emissivity adjustable from 0.10 to 1.00 in 0.01 steps	Ea.

## Fisher Scientific™ Traceable™ Infrared Thermometer with Trigger Grip

- Simple operation—point at sample and take a reading in less than a second
- Noninvasive, no-touch measurements are ideal for food preparation, life sciences, pharmaceuticals, petroleum products, cleanrooms, electronics, and field use
- Thermocouple jack may be used for reading all Type K thermocouples
- Minimum/maximum feature permits viewing highest and lowest readings at any time
- Displays the average of all readings made and the difference between two readings
- Audible, user settable, high and low alarms signal out-of-range conditions
- "Hold" function freezes display at the current reading
- Backlighting permits viewing in low-light conditions; low-battery indicator
- Memory permits recalling individually captured temperatures



### Specifications:

- Temp. Range: -60° to +500°C/-76° to +932°F
- Resolution: 0.1°
- Accuracy, ±1°C + 2%
- Dimensions: 7 × 2.75 × 1.5" (18 × 7 × 3.8cm)
- Weight: 6 oz. (0.2kg)

Cat. No.	Description	Quantity
15-077-968	Traceable Infrared Thermometer with Trigger Grip	Ea.

## Fisher Scientific™ Traceable™ Infrared Thermometer with Wristband

- Simple to use: turn on, point at sample, and take reading in less than a second
- Reads Fahrenheit and Celsius of any surface—solids, semisolids, and liquids
- Hold command freezes the display at the current reading
- Emissivity of 0.05 to 1.00 .01 steps covers 90% of all applications
- Minimum and maximum feature permits viewing highest and lowest readings at any time
- Laser beam pointer permits perfect sample target sighting
- Display indicates low battery



Cat. No.	Description	Quantity
15-077-967	Traceable Infrared Thermometer w/ Wristband	Ea.

### Mercury Filled Thermometers

## Fisherbrand™ PTFE-Coated Mercury Safety Thermometer

Cat. No.	Description	Quantity
13-202-458	Mercury-filled; Yellow back; Range: -20deg. to +110deg.C	Ea.

Nonmercury Filled Thermometers

### Fisherbrand™ 10/30 Ground Joint Thermometers

- 10/30 ground joint with Celsius scale
- Calibrated for specific immersion depths
- Individually serialized and packaged



Cat. No.	Description	Quantity
13-201-927	1 in. immersion; -10/150deg.C	Ea.
13-201-928	1 in. immersion; -10/250deg.C	Ea.
13-201-929	2 in. immersion; -10/250deg.C	Ea.
13-201-930	3 in. immersion; -10/110deg.C	Ea.
13-201-931	3 in. immersion; -10/150deg.C	Ea.
13-201-932	3 in. immersion; -10/250deg.C	Ea.

### Fisherbrand™ Baume Plain Form Hydrometers

- 300mm (11.8") long
- Lead free ballast
- Individually serialized
- Temperature of standardization: 60°F
- Tested in a triple accredited/registered ISO/IEC 17025:2005 and A2LA Accredited Calibration Laboratory; internationally recognized and accepted by the signatory economies of the ILAC/MRA
- Multi-language (English, French, German, Italian, Portuguese, and Spanish) Statement of Accuracy indicating accuracy traceable to NIST



Cat. No.	Description	Quantity
13-202-122	Range: 0/12; Accuracy 0.1 Baume	Ea.
13-202-128	Range: 0/35; Accuracy 0.5 Baume	Ea.
13-202-130	Range: 0/50; Accuracy 1 Baume	Ea.
13-202-131	Range: 0/70; Accuracy 1 Baume	Ea.
13-202-123	Range: 9/21; Accuracy 0.1 Baume	Ea.
13-202-124	Range: 29/41; Accuracy 0.1 Baume	Ea.
13-202-125	Range: 39/51; Accuracy 0.1 Baume	Ea.
13-202-126	Range: 49/61; Accuracy 0.1 Baume	Ea.
13-202-127	Range: 59/71; Accuracy 0.1 Baume	Ea.

### Fisherbrand™ Dry Block/Incubator Thermometers

- Organic liquid fill
- White back glass
- Individually serialized
- Packaged in recyclable packaging



Cat. No.	Description	Quantity
<b>PFA Coated</b>		
13-201-577	-15deg. to +105deg.C	Ea.
13-201-944	0deg. to 70deg.C	Ea.
13-201-946	0deg. to 70deg.C; 4 arrows	Ea.
13-201-941	0deg. to 80deg.C	Ea.
13-201-558	0deg. to 100deg.C; Arrows at 37 and 56deg.C	Ea.
13-202-486	0deg. to 100deg.C; Arrows at 25, 30,37 and 56deg.C	Ea.
13-201-942	20deg. to 100deg.C	Ea.
13-201-915	50deg. to 110deg.C	Ea.
<b>Not PFA Coated</b>		
13-201-943	0deg. to 70deg.C	Ea.
13-201-945	0deg. to 70deg.C; 4 arrows	Ea.
13-201-940	0deg. to 80deg.C	Ea.
13-201-939	0deg. to 100deg.C	Ea.
13-203-015	20deg. to 100deg.C	Ea.
13-201-947	25deg. to 56deg.C	Ea.

### Fisherbrand™ Certified Dry Block Thermometers

- Organic fill on white back glass
- 0.5° Divisions
- 0.5°C Accuracy



Cat. No.	Description	Quantity
13-201-911	50deg. to 110deg.C; 75deg.C Certification Point	Ea.

### Fisherbrand™ Enviro-Safe™ Easy-Read™ General Purpose Liquid-in-Glass Thermometers

- Green EnviroKleen™ certified environmentally friendly Enviro-Safe liquid and recyclable SafetyPak™ packaging
- White-back lead-free glass
- Individually serialized
- Statement of Accuracy indicating accuracy traceable to NIST and DKD
- Tested, calibrated and certified (where applicable) in our triple accredited/registered ISO 17025:2005 laboratory

Cat. No.	Description	Quantity
<b>Total Immersion</b>		
13-201-652	-50deg. to +50deg.C	Ea.
13-201-479	-35deg. to +50deg.C	Ea.
<b>Partial (76mm) Immersion</b>		
13-202-535	-10° to +70°C; Partial (76mm) Immersion	Ea.

## Fisherbrand™ General Purpose Liquid-in-Glass Partial Immersion Thermometers

- Individually packaged in Safety-Pak™ packaging to prevent breakage
- Blue organic filled thermometers are individually serialized and include Statement of Accuracy traceable to NIST
- Accurate to the requirements of ANSI/SAMA Z236.1-1983, ASTM, NIST, DKD, and/or equivalent standards
- Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA laboratory

Cat. No.	Description	Quantity
13-201-521	-100deg. to +50deg.C	Ea.
13-201-642	-50deg. to +50deg.C	Ea.
13-201-643	-35deg. to +50deg.C	Ea.
13-201-644	-20deg. to +110deg.C	Ea.
13-201-645	-20deg. to +150deg.C	Ea.
13-201-640	-10deg. to +110deg.C	Ea.
13-201-641	-10deg. to +150deg.C	Ea.
13-201-555	-10deg. to +260deg.C	Ea.
13-201-646	-40deg. to +120deg.F	Ea.
13-201-647	0deg. to 230deg.F	Ea.
13-201-648	0deg. to 300deg.F	Ea.
13-201-649	20deg. to 500deg.F	Ea.

## Fisherbrand™ General Purpose Liquid-in-Glass Partial Immersion Thermometers, Economical Grade

- Individually packaged in Safety-Pak™ packaging to prevent breakage
- Individually serialized and tested and calibrated in triple accredited/registered ISO/IEC 17025:2005, A2LA laboratory

Cat. No.	Description	Quantity
13-201-541	-35deg. to +50deg.C	Ea.
13-201-663	-20deg. to +110deg.C	Ea.
13-202-376	-20deg. to +150deg.C	Ea.
13-201-664	-40deg. to +120deg.F	Ea.
13-201-665	0deg. to 230deg.F	Ea.
13-201-666	0deg. to 300deg.F	Ea.

## Fisherbrand™ General Purpose Liquid-in-Glass Total Immersion Thermometers

- Individually packaged in Safety-Pak™ packaging to prevent breakage
- Blue organic filled thermometers are individually serialized and include Statement of Accuracy traceable to NIST
- Accurate to the requirements of ANSI/SAMA Z236.1-1983, ASTM, NIST, DKD, and/or equivalent standards
- Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA laboratory

Cat. No.	Description	Quantity
13-201-660	-200deg. to +30deg.C; NIST Calib	Ea.
13-201-659	-100deg. to +50deg.C; NIST Calib	Ea.
13-201-669	-40deg. to +120deg.F; NIST Calib	Ea.
13-201-653	-35deg. to +50deg.C; NIST Calib	Ea.
13-201-654	-20deg. to +110deg.C; NIST Calib	Ea.
13-201-655	-20deg. to +150deg.C; ; Divs.: 1deg.C; Accuracy: +/- 1.5, +/- 2 above 100deg.C; NIST Calib	Ea.
13-201-650	-10deg. to +110deg.C; NIST Calib	Ea.
13-201-651	-10deg. to +150deg.C; NIST Calib	Ea.
13-201-556	-10deg. to +225deg.C; NIST Calib	Ea.
13-201-670	0deg. to 230deg.F; NIST Calib	Ea.
13-201-671	0deg. to 300deg.F; NIST Calib	Ea.
13-201-661	20deg. to 440deg.F; NIST Calib	Ea.
13-201-656	-40deg. to +120deg.F; NIST Calib	Ea.
13-201-657	0deg. to 230deg.F; NIST Calib	Ea.
13-201-658	0deg. to 300deg.F; NIST Calib	Ea.

## Fisherbrand™ Nonmercury Verification Thermometers

- 30mL bottle size, choice of bottle fills
- Individual serial numbers and a Statement of Accuracy traceable to NIST
- Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA laboratory



Cat. No.	Description	Quantity
13-202-632	Type: Freezer	Ea.
13-202-631	Type: Refrigerator	Ea.
13-202-630	Type: Incubator	Ea.
13-202-635	Type: Oven	Ea.

## Fisherbrand™ PFA Safety Coated Liquid-In-Glass Partial Immersion Thermometers

- Statement of Accuracy indicating accuracy traceable to NIST
- Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA laboratory



Cat. No.	Description	Quantity
13-201-606	-20deg. to +110deg.C	Ea.
13-201-607	-20deg. to +150deg.C	Ea.
13-201-603	-10deg. to +110deg.C	Ea.
13-201-604	-10deg. to +150deg.C	Ea.
13-201-608	-10deg. to +200deg.C	Ea.
13-201-609	0deg. to 230deg.F	Ea.
13-201-610	0deg. to 300deg.F	Ea.
13-201-605	20deg. to 230deg.F	Ea.

## Fisherbrand™ Pocket Closed Metal Case Liquid-In-Glass Thermometers

- Individually packaged in Safety-Pak™ packaging to prevent breakage
- Each thermometer is 6.3" (160mm) long and total immersion
- Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA laboratory
- Includes a Statement of Accuracy traceable to NIST



Cat. No.	Description	Quantity
13-201-695	-35deg. to +50deg.C	Ea.
13-201-696	-10deg. to +110deg.C	Ea.
13-201-698	-10deg. to +110deg.C (0deg. to 220deg.F)	Ea.
13-201-697	-5deg. to +50deg.C	Ea.
13-202-505	-30deg. to +120deg.F	Ea.
13-201-700	20deg. to 120deg.F	Ea.
13-201-699	0deg. to 220deg.F	Ea.

## Fisherbrand™ Precision Liquid-in-Glass Partial Immersion Thermometers

- Individually serialized and packaged in Safety-Pak™ packaging
- Accurate to the requirements of ANSI/SAMA Z236.1-1983, ASTM, NIST, DKD and/or equivalent standards
- Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA accredited laboratory against equipment that has calibration traceable to NIST

Cat. No.	Description	Quantity
13-201-630	-1deg. to +51deg.C	Ea.

## Fisherbrand™ Spirit Thermometers

- Length, 12" (30.5cm)
- Safe red-spirit fluid
- Partial immersion depth, 76mm
- Single-scale divisions are 1°C; dual-scale are 1°C/2°F
- Permanently fused markings
- Available with or without PTFE coating; PTFE coating helps prevent liquid and glass contamination if thermometer is broken
- Thermometers should be stored at a 15° angle minimum



Cat. No.	Description	Quantity
13-201-414	-20deg. to +150deg.C; Laboratory grade; Total	Ea.

## Fisherbrand™ Precision Liquid-in-Glass Partial Immersion Thermometers

- Individually serialized and packaged in Safety-Pak™ packaging
- Accurate to the requirements of ANSI/SAMA Z236.1-1983, ASTM, NIST, DKD and/or equivalent standards
- Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA accredited laboratory against equipment that has calibration traceable to NIST

Cat. No.	Description	Quantity
13-201-632	-1deg./+201deg.C	Ea.

### Thermometers

## Fisher Scientific™ Traceable™ Noncontact Infrared Thermometers

- Switch to view either Celsius or Fahrenheit scales Laser sighting beam permits aiming precisely at the target surface
- 15-077-57 and 06-664-39 assure accurate measurements using adjustable control to account for differences in surface infrared emissivity of objects
- One-second sampling, backlighting button, data hold, low-battery indicator and dual ranges



Cat. No.	Description	Quantity
06-664-38	Ranges: -60deg. to +500deg.C/-76deg. to +932deg.F	Ea.

## Fisher Scientific™ Traceable™ Refrigerator/Freezer Alarm Thermometers

- Monitors temperature in freezers, refrigerators, incubators, water baths and heating blocks
- Triple display simultaneously shows current, high and low temperatures
- Alarm (Cat. No. 06-664-11 only) set in 1° increments alerts user with visual and audible signals if temperature goes outside setpoints
- 10' long (3m) microcable
- Dimensions: 4.25L x 2.75W x 0.75"H (11 x 7 x 2cm)



Cat. No.	Description	Quantity
06-664-11	Size: 2.75 x 4.05 x 0.75 in.	Ea.
06-664-23	Size: 3.25 x 2.5 x 0.63 in.	Ea.

### Timers

### Clocks

## Fisher Scientific™ Traceable™ Clock/Thermometer/Calendar

- Timing accuracy: 0.01%
- Internal temperature sensor displays current reading in your choice of °C (-5° to +55°C range) or °F (23° to 131°F)
- Huge 2.13"H (5.4cm) LCD is visible from 35' (10.7m)
- Has two-tone color face and slim silhouette



Cat. No.	Description	Quantity
14-648-5	Dimensions: 9.25L x 10W x 1 in. H (23.5 x 25.4 x 2.5cm)	Ea.

### General Purpose Timers

## Fisherbrand™ Countdown Timers

- One timing channel and a single-line display
- Rugged ABS plastic case
- Traceable to NIST™ standards



Cat. No.	Description	Quantity
06-662-51	Timer range: 99 minutes, 59 seconds	Ea.
06-662-44	Timer range: 24 hours	Ea.
14-649-17	Timer range: 100 hours	Ea.

## Fisherbrand™ Countdown Timers 2

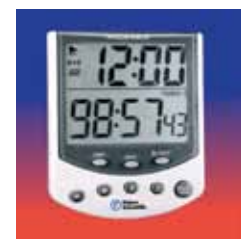
- Have one timing channel and a single-line display
- Have a rugged ABS plastic case
- Are traceable to NIST™ standards



Cat. No.	Description	Quantity
06-662-50	Timer range: 10 hours	Ea.
06-662-48	Timer range: 24 hours to 1 second	Ea.
15-077-64	Timer Range: 100 hours	Ea.

## Fisherbrand™ Countdown Timers 4

- Have one timing channel and a single-line display
- Have a rugged ABS plastic case
- Are traceable to NIST™ standards



Cat. No.	Description	Quantity
06-662-55	Timer range: 10 hours	Ea.
06-662-16	Timer range: 24 hours	Ea.



## Fisherbrand™ Eight-Channel Alarm Timer

### Manufactured with a continuously-adjustable alarm-volume control

- Can be set from whisper low at the lab bench to ear-piercing loud for noisy plant areas
- Alarms may be set to sound continuously until turned off manually or set to turn off automatically in 7 seconds or 1 minute



### Eight channels

- Three channels count down each with a memory (memory allows automatic return to the previously programmed time at the press of a button)
- One channel counts down, and when zero is reached, alarms and starts counting up
- The stopwatch channel counts up and alarms at any preset time
- The 2 repeat channels automatically alarm repeatedly at any programmed time interval (e.g., set it to continually sound an alarm every 37 min.)

### 100-hour timing capacity

- Clock channel displays time-of-day in AM/PM or 24-hour time
- Each timing channel has a timing capacity of 99 hours, 59 minutes, 59 seconds.

### Brilliant display

- Extra-large, easy-to-read, headline-size, 1/2-inch-high LED digits are bright and sharp
- Display can be read from 25 feet away

### Construction

- Housed in an ABS plastic case
- Size: 6-1/2 × 4-1/4 × 3-1/2"
- Weight: 16 oz
- Electrical requirements: 115 VAC/60 Hz.

Cat. No.	Description	Quantity
06-662-6	Timer range: 100 hours to 1 second	Ea.

## Fisherbrand™ Traceable™ Three-Line Alarm Timer

- Memories return the display to the previously programmed time
- May also be used as three stopwatches or in any combination of up/down timing
- Display has a time-of-day clock
- Quartz-crystal timing accuracy is 0.01%
- Digits are 3/8" high
- Chemical-resistant ABS plastic case size: 2 × 3.25 × 0.5"
- Weight: 3 oz.



Cat. No.	Description	Quantity
06-662-46	Display: triple-line LCD, each 0.375 in.H	Ea.

## Fisher Scientific™ Dial Benchtop Timers

### 06-659

- Display: Oversized markings provide easy reading; pointer indicates time remaining
- Dial Diameter: 2" (5cm)
- Dimensions: 2.75L × 2.75W × 2"H (7 × 7 × 5cm)
- White case lays flat or stands upright



### 06-662-10

- Display: Easy-to-read blue numerals
- Dial diameter: 2.75" dia. (7cm)
- Gray case

Cat. No.	Description	Quantity
06-662-10	Timer range: 60 minutes in 1-minute increments	Ea.
06-659	Timer range: 120 minutes in 2-minute increments	Ea.

## Fisher Scientific™ Mechanical Timers

- Adjustable from 0 to 60 min. with 1 minute increments
- Turn pointer to the desired countdown setting to automatically wind the timers
- Indicating pointer always shows exact time remaining
- Loud five-second bell rings at zero
- Easy-to-read and use—no buttons or confusing settings



Cat. No.	Description	Quantity
14-649-57	Quick-Timer; Blue/white with magnet on back	3/Pk.

## Fisher Scientific™ Three-Channel Alarm Timer

- User-friendly timer, stopwatch and time-of-day clock fulfills most laboratory timing needs
- Counts down and alarms separately
- Channels may be started individually or simultaneously
- Timer can concurrently signal the duration of incubating, heating and cooling
- Program each channel from one second to 99 hours, 59 minutes, 59 seconds
- When zero is reached, an alarm sounds, a message flashes on the display and the timer begins counting up
- Alarm volume adjusts for loud or quiet environments
- Four rubber feet keep the timer off a wet bench
- Battery provides one year of continuous running with nominal use
- Chemical-resistant ABS case
- Quartz-crystal accuracy: 0.001%
- Dimensions: 3.25 × 3 × 1" (8.3 × 7.6 × 2.5cm)
- Weight: 3 oz. (84g)



Cat. No.	Description	Quantity
S40708	With memory; Alarm duration: 1 min.	Ea.

## Fisher Scientific™ Traceable™ Countup Benchtop Timers

- Handheld
- Rugged ABS plastic case
- Battery is included

### Key Features

- 100-Hour Timer: Single-action, time-in/-out, cumulative- and interval-split; reads in 99 hours, 59 minutes, 59 seconds, 99 hundredths; 99999.999 seconds; 9999.9999 minutes; or 999.99999 hours
- 10-Hour Timer: Cumulative and interval-split functions



Cat. No.	Description	Quantity
06-662-1	100 hours; 3.5L x 6.625W x 4.75 in.H	Ea.

## Fisher Scientific™ Traceable™ Three-Channel Alarm Timers

- Three-line display
- Three-channel timing with individual or simultaneous start
- "Thru-zero" function counts down, alarms and counts up
- Counts down and up simultaneously
- Time-out mode
- Memory recall automatically returns to preset time
- Alarm volume is adjustable



Cat. No.	Description	Quantity
06-662-5	Timing range: three channel, 99 hr., 59 min., 59 sec. to 1 sec	Ea.

## Fisher Scientific™ Traceable™ Instant-Recall Memory Timer

- Count down at any set time from 99 minutes, 59 seconds to zero
- Accuracy: 0.01%
- Display features bright, extra-large 0.62" high digits
- Loud 30-second alarm sounds at zero Instant memory always returns the display to programmed time Magnetic back allows placing timer on metal surfaces
- Lays flat on a bench or may be placed vertically with the flip-open easel
- Spring fastener clips to pockets



Cat. No.	Description	Quantity
02-401-7	Timer range: 100 minutes	Ea.

## Fisher Scientific™ Traceable™ Triple-Display Timer

- Countdown times may be started simultaneously or each channel may be started individually
- For repetitive tests, memory returns display to the previously programmed countdown time at the touch of a button
- With magnetic back for placing on metal surfaces such as incubators or water baths. Distinct alarms for each channel
- When zero is reached, timer starts counting up to show time elapsed since alarming
- Extra-loud alarm sounds for one minute or may be silenced manually
- Easy-to-read 0.5" (13mm) LCD
- Also features time-out and time of day
- Timing Range: Three channel; 19 hours, 59 minutes, 59 seconds to 1 second
- Stopwatch: 1 second to 19 hours, 59 minutes, 59 seconds
- Accuracy: 0.01%



Cat. No.	Description	Quantity
06-662-3	Timing range: 20 hours	Ea.

## Fisher Scientific™ Traceable™ Nano™ Timer

- Counts down or up to 23 hours, 59 minutes, 59 seconds on two timing channels
- Accuracy: 0.01%
- 0.375" high digits may be read from 10' (3m)
- For repetitive tests, two-channel memory returns display to original programmed time



Cat. No.	Description	Quantity
14-649-83	With two-channel memory	Ea.

### Timers

## Fisherbrand™ Traceable™ 10-Hour Stopwatches

- Resolution: 0.01 seconds
- All units: Single-action timing, time-in/time-out, continuous timing, and cumulative split functions
- Handheld with rugged ABS plastic case
- Net weight: 2.5 oz. (71g)



Cat. No.	Description	Quantity
14-649-5	Dimensions: 2.5L x 3W x 0.75 in.H	Ea.

## Fisherbrand™ Traceable™ 24-Hour Stopwatches

- Digital, handheld
- Resolution: 1 second
- Provide single-action timing, time-out, continuous timing, and cumulative split functions
- Clock displays time of day to the second, AM/PM, date, and day of the week
- Rugged ABS plastic case



Cat. No.	Description	Quantity
14-649-7	Shockproof stopwatch	Ea.

## Fisher Scientific™ Traceable™ 100-Hour Countdown Alarm Timer/Stopwatch

- Four countdown channels plus stopwatch channel and time-of-day clock
- “Thru-zero” function counts down, alarms, counts up
- Time-out mode
- Automatic or manual “off”
- One-minute audible and visual alarms
- Easel stand, lapel clip, hole for lanyard and magnetic back
- LCD is 0.31" high (7.6mm)



Cat. No.	Description	Quantity
06-662-9	100-Hour Countdown Alarm Timer/Stopwatches	Ea.

## Fisher Scientific™ Traceable™ 60-Memory Stopwatch

- Three-line display simultaneously shows running time, cumulative split, and interval split
- Sixty memories recall all splits, display sample numbers 1-60, and show interval split, longest, shortest, and average times
- Provides stopwatch functions of single action, time-in/-out, continuous timing, cumulative split, interval split, 60 memories, and programmable timing
- As a chronograph, the stopwatch displays time of day, date, and day of the week; also has time-of-day alarm
- Timing range is 9 hours, 59 minutes, 59 seconds, 99 hundredths
- Resolution: 1 second
- Accuracy: to 0.001%
- Size: 5.4 × 6.7 × 1.9cm (2.125 × 2.625 × 0.75")
- Weight: 2 oz.



Cat. No.	Description	Quantity
14-649-9	Traceable 60-Memory Stopwatch	Ea.

## Fisher Scientific™ Traceable™ Jumbo-Digit Stopwatch

- Times to 24 hours
- Unit features single-action, time-out, cumulative-split, and continuous timing
- Timing range is 23 hours, 59 minutes, 59 seconds
- Resolution is 1/100 second for the first 30 minutes and 1 second thereafter
- Accuracy is 0.001%
- Size: 7.6 × 6.4 × 2.2cm (3 × 2.5 × .875")
- Weight is 2.5 oz.



Cat. No.	Description	Quantity
14-648-3	Traceable Jumbo-Digit Stopwatch	Ea.

## Fisher Scientific™ Traceable™ Stopwatch/Repeat Timer

- Universal stopwatch provides repeat function of countdown alarm timing
- Provides stopwatch functions of single-action, time-in/-out, cumulative-split, interval-split, eight memories, and continuous timing
- ABS plastic shockproof case
- Timing range is 10 hours to 1/10 of a second
- Resolution: 0.01 second
- Accuracy: 0.001%
- Size: 6 × 6 × 1.3cm (2.375 × 2.375 × 0.5")
- Weight: 1.75 oz.



Cat. No.	Description	Quantity
14-649-8	Traceable Stopwatch/Repeat Timer	Ea.

## Fisher Scientific™ Traceable™ Waterproof/Shockproof Stopwatches

- Chronograph displays time-of-day to the second, AM/PM, date and day of the week
- Time-of-day alarm
- Digits are 0.375" high
- O-ring sealed with durable ABS plastic case
- Ideal for lab or plant use
- Unit 06-662-56 is waterproof to three atmospheres
- Accuracy is 0.01%
- Dimensions: 2.12L × 2.75W × 0.5"H (5.4 × 6 × 1.3cm)
- Net weight: 1 oz. (28g)



Cat. No.	Description	Quantity
14-649-11	Water/shock resistant stopwatch	Ea.
06-662-56	Waterproof/Shockproof; Waterproof to three atmospheres	Ea.

Viscometry Instruments

Viscometers - Glass Capillary

## Fisherbrand™ Glass Kinematic Viscometer Tubes

- Available calibrated (with calibration certificate) or uncalibrated
- Excellent precision
- Borosilicate glass
- For measuring kinematic viscosity of petroleum products by ASTM™ D 445
- Specifications also conform with ASTM D 346
- Minimum sample volume, 7mL
- Require liquid bath depth of 203mm



Cat. No.	Description	Quantity
<i>Calibrated, glass</i>		
13-617B	0.8 to 4cSt; ASTM 50	Ea.
13-617D	7 to 35cSt; ASTM 150	Ea.
13-617E	20 to 100cSt; ASTM 200	Ea.
13-617F	50 to 250cSt; ASTM 300	Ea.
13-617H	240 to 1200cSt; ASTM 400	Ea.
13-617L	4000 to 20,000cSt; ASTM 600	Ea.

## Fisherbrand™ Glass Opaque Calibrated Viscometer Tubes

- For measuring viscosity of dark liquids and lubricating oils by ASTM™ D 445
- Borosilicate glass
- With calibration certificate
- Minimum sample volume, 12mL
- Require liquid bath depth of 229mm
- Excellent precision



Cat. No.	Description	Quantity
<i>Calibrated, glass</i>		
13-615-5B	0.8 to 4cSt; ASTM 50	Ea.
13-615-5C	3 to 15cSt; ASTM 100	Ea.
13-615-5D	7 to 35cSt; ASTM 150	Ea.
13-615-5E	20 to 100cSt; ASTM 200	Ea.
13-615-5F	50 to 250cSt; ASTM 300	Ea.
13-615-5G	100 to 500cSt; ASTM 350	Ea.
13-615-5H	240 to 1200cSt; ASTM 400	Ea.

## Fisherbrand™ Glass Ubbelohde Calibrated Viscometer Tubes

- Certified accurate (certificate included)
- Excellent precision
- Borosilicate glass
- Minimum sample volume, 11mL
- Require liquid bath depth of 241mm



Cat. No.	Description	Quantity
<i>Calibrated, glass</i>		
13-614A	2 to 10cSt; ASTM 1	Ea.
13-614B	6 to 30cSt; ASTM 1C	Ea.
13-614C	10 to 50cSt; ASTM 1B	Ea.
13-614D	20 to 100cSt; ASTM 2	Ea.
<i>Uncalibrated glass</i>		
13-616M	1.6 to 8cSt; ASTM 75	Ea.
13-616G	100 to 500cSt; ASTM 350	Ea.
13-616B	0.8 to 4cSt; ASTM 50	Ea.
13-616D	7 to 35cSt; ASTM 150	Ea.

Chemicals

Amino Acids - Proteinogenic

Glycine [Gly] and Derivatives

## Glycine (White Crystals or Crystalline Powder), Fisher BioReagents™

Aminoacetic Acid; Aminoethanoic acid; Gyn-Hydralin; Gly  
 $C_2H_5NO_2$   
**CAS:** 56-40-6 **FW:** 75.07 **Density:** 1.595g/mL  
**Melting Point:** 182° to 236°C/359.6° to 456.8°F  
 98.5 to 101.0 %

Cat. No.	Packaging	Quantity
BP381-500	Poly Bottle	500g
BP381-1	Poly Bottle	1kg
BP381-5	Poly Pail	5kg

Antibiotics

## Chloramphenicol (Crystalline Powder), Fisher BioReagents

$C_{11}H_{12}Cl_2N_2O_5$   
**CAS:** 56-75-7 **FW:** 323.13  
**Melting Point:** 149° to 153°C/300.2° to 307.4°F  
 97%

Cat. No.	Packaging	Quantity
BP904-100	Poly Bottle	100g

## Thimerosal, Fisher BioReagents

Sodium ethylmercurithiosalicylate  
 $C_9H_9HgO_2SNa$   
**CAS:** 54-64-8 **F.W.** 404.8  
**Melting Point:** 232° to 233°C/449.6° to 451.4°F  
 ≥97 %

Cat. No.	Packaging	Quantity
BP2542-100	Amber Glass	100g

### Buffers - BioReagent

### Life Science Buffers

## Tris Base (White Crystals or Crystalline Powder/Molecular Biology), Fisher BioReagents

Trimethylol Aminomethane; Tris(hydroxymethyl)aminomethane  
 $(CH_2OH)_3CNH_2$   
**CAS:** 77-86-1 **F.W.** 121.14  
**Boiling Point:** 219° to 220°C at 10 mmHg  
**Melting Point:** 171.2° to 172.3°C  
 ≥99.8 %

Cat. No.	Packaging	Quantity
BP152-500	Poly Bottle	500g
BP1521	Poly Bottle	1kg
BP152-5	Poly Pail	5kg

## Tris Hydrochloride (Small White Flakes/Molecular Biology), Fisher BioReagents

Tris(hydroxymethyl)aminomethane Hydrochloride  
 $C_4H_{11}NO_3 \cdot HCl$   
**CAS:** 1185-53-1 **F.W.** 157.6  
**Melting Point:** 150° to 153°C/302° to 307.4°F  
 ≥99 %

Cat. No.	Packaging	Quantity
BP153-500	Poly Bottle	500g
BP1531	Poly Bottle	1kg

### Saline Based Buffers

## PBS, 1X Powder Concentrate (White Granular Powder), Fisher BioReagents

PBS  
**CAS:** 7647-14-5; 7558-79-4; 7778-77-0; 7447-40-7

Cat. No.	Packaging	Quantity
BP661-10	Poly Bottle	10L

## PBS, 10X Powder Concentrate (White Granular Powder), Fisher BioReagents

PBS  
**CAS:** 7647-14-5; 7558-79-4; 7778-77-0; 7447-40-7

Cat. No.	Packaging	Quantity
BP665-1	Foil Pack	2 × 1L

## Phosphate Buffered Saline, 10X Solution, Fisher BioReagents™

PBS  
**CAS:** 7732-18-5; 7647-14-5; 7447-40-7; 7558-79-4; 7778-77-0

Cat. No.	Packaging	Quantity
BP399-1	Nalgene Poly Bottle	1L
BP3994	Poly CUBE	4L
BP399-20	Poly CUBE	20L

### Buffers - Electrochemical

### pH Reference Buffers

## Buffer Concentrate, pH 7.00 (Certified), Fisher Chemical

**CAS:** 64-02-8; 7732-18-5; 1310-58-3; 1310-73-2; 7664-38-2

Cat. No.	Packaging	Quantity
SB109-500	Poly Bottle	500mL
SB109-1	Poly Bottle	1L

## Buffer Solution, pH 10.00 (Certified), Fisher Chemical

**CAS:** 6381-92-6; 584-08-7; 1310-58-3; 7732-18-5; 12228-88-5

Cat. No.	Packaging	Quantity
SB116-1	Poly Bottle	1L

## Buffer Solution, pH 10.00, Color-Coded Blue (Certified), Fisher Chemical

**CAS:** 7732-18-5; 6381-92-6; 584-08-7; 1332-77-0; 1310-58-3 **Density:** 1.01g/mL  
**Melting Point:** 0°C

Cat. No.	Packaging	Quantity
SB115-500	Poly Bottle	500mL

## Buffer Solution, pH 2.00 (Certified), Fisher Chemical

**CAS:** 7447-40-7; 7647-01-0; 50-00-0; 67-56-1; 7732-18-5 **Density:** 0.7  
**Melting Point:** 0°C  
 DOT Class 8

Cat. No.	Packaging	Quantity
SB96-500	Poly Bottle	500mL

## Buffer Solution, pH 4.00 (Certified), Fisher Chemical

**CAS:** 877-24-7; 7732-18-5; 50-00-0; 67-56-1 **Density:** 1.01g/mL

Cat. No.	Packaging	Quantity
SB98-500	Poly Bottle	500mL
SB98-1	Poly Bottle	1L



## Buffer Solution, pH 4.00, Color-Coded Red (Certified), Fisher Chemical

CAS: 50-00-0; 67-56-1; 877-24-7; 7732-18-5; 16423-68-0  
Melting Point: 0°C

Density: 0.7 (Water = 1.0)

Cat. No.	Packaging	Quantity
SB101-500	Poly Bottle	500mL
SB101-4	Poly Bottle	4L
SB101-20	PolyPac™	20L

## Buffer Solution, pH 7.00 (Certified), Fisher Chemical

Chlorine Titrimeter Reagent  
CAS: 7778-77-0; 1310-73-2; 7732-18-5  
Melting Point: 0°C

Density: 1g/mL

Cat. No.	Packaging	Quantity
SB108-500	Poly Bottle	500mL
SB108-1	Poly Bottle	1L

## Buffer Solution, pH 7.00, Color-Coded Yellow (Certified), Fisher Chemical

CAS: 7778-77-0; 1310-73-2; 7732-18-5; 1934-21-0  
Melting Point: 0°C

Density: 1g/mL

Cat. No.	Packaging	Quantity
SB107-500	Poly Bottle	500mL
SB107-4	Poly Bottle	4L
SB107-20	PolyPac™	20L

## Buffer-Pac Color-Coded Solutions (Certified), Fisher Chemical

CAS: 50-00-0 Melting Point: 0°C

Cat. No.	Packaging	Quantity
SB105	Poly Bottles	3 × 500mL

### Wet Chemistry Buffers

## Buffer Solution, TISAB, Fisher Chemical

CAS: 7647-14-5; 127-09-3; 482-54-2; 9003-39-8; 52-51-7

Cat. No.	Packaging	Quantity
SB175-4	Poly Bottle	4L

### Caustics

#### Ammonium Hydroxide

## Ammonium Hydroxide (Certified ACS Plus), Fisher Chemical

Aqueous Ammonia  
NH<sub>3</sub>OH

CAS: 7664-41-7; 7732-18-5

Boiling Point: 27°C

28.0 to 30.0 w/w %

DOT Class 8

F.W. 35.05

Melting Point: -69°C

Density: 0.89g/mL

Cat. No.	Packaging	Quantity
A669-500	Glass	500mL
A669-212	Glass	2.5L
A669C-212	Glass	6 × 2.5L

## Ammonium Hydroxide (Optima™), Fisher Chemical

Aqueous Ammonia

CAS: 1336-21-6

DOT Class 8

F.W. 35.05

Cat. No.	Packaging	Quantity
A470-250	HDPE bottle	250mL
A470-500	HDPE bottle	500mL

### Sodium Hydroxide

## Sodium Hydroxide (Pellets/Certified ACS), Fisher Chemical

Caustic Soda

NaOH

CAS: 1310-73-2; 497-19-8

Boiling Point: 1390°C

≥97.0 %

DOT Class 8

F.W. 40

Melting Point: 318°C

Density: 2.13g/mL

Cat. No.	Packaging	Quantity
S318-500	Poly Bottle	500g
S318-1	Poly Bottle	1kg
S318-3	Poly Bottle	3kg

## Sodium Hydroxide (Pellets/NF/FCC), Fisher Chemical

Caustic Soda

NaOH

CAS: 1310-73-2; 497-19-8

Boiling Point: 1390°C

DOT Class 8

F.W. 40

Melting Point: 318°C

Density: 2.13g/mL

Cat. No.	Packaging	Quantity
S320-500	Poly Bottle	500g
S320-10	Poly Pail	10kg

## Sodium Hydroxide Solution (0.1N (N/10)/Certified), Fisher Chemical

Caustic Soda Solution  
CAS: 1310-73-2; 7732-18-5  
DOT Class 8

Cat. No.	Packaging	Quantity
SS276-1	Poly Bottle	1L

## Sodium Hydroxide Solution (1N/Certified), Fisher Chemical

Caustic Soda Solution  
CAS: 1310-73-2; 7732-18-5  
DOT Class 8  
Density: >1.0  
Melting Point: >0°C

Cat. No.	Packaging	Quantity
SS266-1	Poly Bottle	1L
SS266-4	Poly Bottle	4L

### Desiccants

#### Desiccants and Drying Agents

## Silica Gel Desiccant (100-200 Mesh/923, Chromatographic Grade), Fisher Chemical

SiO<sub>2</sub>  
CAS: 63231-67-4  
Melting Point: 1,710°C  
Density: 2.1g/mL  
Boiling Point: 2,230°C

Cat. No.	Packaging	Quantity
S679-500	Poly Bottle	500g

## Silica Gel Desiccant Indicating(Grade 48, 4-10 Mesh/Certified ACS), Fisher Chemical

SiO<sub>2</sub>  
CAS: 7646-79-9; 7631-86-9  
Melting Point: 1710°C  
Density: 2.2g/mL  
Boiling Point: 2230°C

Cat. No.	Packaging	Quantity
S162-500	Poly Bottle	500g
S162-212	Poly Bottle	2.5kg

## Silica Gel, Grade 47 (10-18 Mesh/Certified ACS), Fisher Chemical

SiO<sub>2</sub>  
CAS: 7646-79-9; 7631-86-9  
Melting Point: 1710°C  
Density: 2.2g/mL  
Boiling Point: 2230°C

Cat. No.	Packaging	Quantity
S161-500	Poly Bottle	500g
S161-212	Poly Bottle	2.5kg

### Detergents

#### Detergents and Surfactants

## Sodium Dodecyl Sulfate (White Powder/Electrophoresis), Fisher BioReagents™

Sodium Lauryl Sulfate; SDS  
C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S  
CAS: 151-21-3; 7647-14-5; 7757-82-6  
Melting Point: 206°C  
F.W. 288.38  
(as Fatty Alcohol Sulfate) >=99%

Cat. No.	Packaging	Quantity
BP166-100	Glass Bottle	100g
BP166-500	Poly Bottle	500g

## Triton™ X-100 (Electrophoresis), Fisher BioReagents™

Polyethylene Glycol p-tert-Octylphenyl Ether  
CAS: 9002-93-1  
Boiling Point: 270°C  
F.W. 624  
Melting Point: 6°C  
Density: 7.11 (Air = 1.0)

Cat. No.	Packaging	Quantity
BP151-500	Glass Bottle	500mL

## Tween™ 20, Fisher BioReagents™

Polysorbate 20; Polyoxyethylene-20-sorbitan Monolaurate; Polyoxyethylenesorbitan monolaurate  
C<sub>38</sub>H<sub>74</sub>O<sub>26</sub>  
CAS: 9005-64-5  
F.W. 1227.54  
Density: 1.11g/mL

Cat. No.	Packaging	Quantity
BP337-500	Glass Bottle	500mL

## Tween™ 80, Fisher BioReagents

Polysorbate 80; Polyoxyethylene-20-sorbitan Monooleate  
CAS: 9005-65-6  
Density: >1.0

Cat. No.	Packaging	Quantity
BP338-500	Glass Bottle	500mL

## Tween™ 80, Fisher Chemical

Polyoxyethylene (20); Polysorbate (80)  
CAS: 9005-65-6  
Density: >1.0

Cat. No.	Packaging	Quantity
T164-500	Glass Bottle	500mL

## Dyes and Stains and Indicators

## Stains and Dyes and Indicators - Blue

## Bromothymol Blue (Certified ACS), Fisher Chemical

3,3'-Dibromothymolsulfonephthalein

 $C_{27}H_{27}Br_2O_3SNa$ 

CAS: 76-59-5

F.W. 624.4

Cat. No.	Packaging	Quantity
B388-10	Glass Bottle	10g

## Methylene Blue (Certified Biological Stain), Fisher Chemical

Basic Blue 9

 $C_{16}H_{18}ClN_3S \cdot 3H_2O$ 

CAS: 7220-79-3

F.W. 373.90

Density: 13 (Air = 1.0)

Melting Point: 190°C

Cat. No.	Packaging	Quantity
M291-25	Glass Bottle	25g
M291-100	Glass Bottle	100g

## Stains and Dyes and Indicators - Green

## Malachite Green Oxalate (Certified Biological Stain), Fisher Chemical

Basic Green 4

 $C_{14}H_{14}N_3O_5SNa$ 

CAS: 547-58-0

F.W. 327.33

Density: 1g/mL

Melting Point: &gt;300°C

: Poison

Cat. No.	Packaging	Quantity
M-29025	Glass Bottle	25g

## Stains and Dyes and Indicators - Indigo Violet Purple

## Crystal Violet (Certified Biological Stain), Fisher Chemical

Gentian Violet; Basic Violet 3

 $C_{25}H_{30}ClN_3$ 

CAS: 548-62-9

F.W. 407.98

Cat. No.	Packaging	Quantity
C581-100	Glass Bottle	100g

## Stains and Dyes and Indicators - Red

## Eosin Y (Certified Biological Stain), Fisher Chemical

D&amp;C Red No. 22; Acid Red 87

 $C_{20}H_8Br_2O_7 \cdot 2Na$ 

CAS: 17372-87-1

F.W. 691.85

Cat. No.	Packaging	Quantity
E511-25	Glass Bottle	25g
E511-100	Glass Bottle	100g

## Fuchsin Basic (Pararosaniline/Certified Biological Stain), Fisher Chemical

Magenta; Pararosaniline

 $C_{20}H_{20}ClN_3$ 

CAS: 632-99-5

Melting Point: 250°C

Cat. No.	Packaging	Quantity
F98-10	Glass Bottle	10g

## Stains and Dyes and Indicators - Tertiary Colors

## Basic Fuchsin, 88%, pure, Acros Organics

Basic Violet 14, hydrochloride; C.I. 42510; Rosaniline chloride

 $C_{20}H_{19}N_3 \cdot HCl$ 

CAS: 632-99-5

F.W. 337.84

Melting Point: 250.0°C

88%

Cat. No.	Packaging	Quantity
AC41914-0025	Plastic bucket	2.5kg

## Fuchsin Acid (Certified Biological Stain), Fisher Chemical

Acid Rubin; Acid Magenta; Acid Violet 19

 $C_{20}H_{17}N_3O_5S_2Na_2$ 

CAS: 3244-88-0

F.W. 585.54

Cat. No.	Packaging	Quantity
F97-25	Glass Bottle	25g

## Hematoxylin (Certified Biological Stain), Fisher Chemical

Natural Black 1; Hydroxybrasilin

 $C_{16}H_{14}O_6$ 

CAS: 517-28-2

F.W. 302.28

Melting Point: 100° to 120°C

Cat. No.	Packaging	Quantity
H345-100	Glass Bottle	100g

## Phenolphthalein (Certified ACS), Fisher Chemical

3,3-Bis(p-hydroxyphenyl)-1(3H)-isobenzofuranone; 3,3-Bis(p-hydroxyphenyl) Phthallide

 $C_{20}H_{14}O_4$ 

CAS: 77-09-8

F.W. 318.33

Density: 1.3g/mL

Melting Point: 258° to 263°C/496.4° to 505.4°F

Cat. No.	Packaging	Quantity
P79-100	Glass Bottle	100g
P79-500	Poly Bottle	500g

## Safranin O (Certified Biological Stain), Fisher Chemical

Basic Red 2  
 $C_{20}H_{18}ClN_4$   
 CAS: 477-73-6 F.W. 350.85

Cat. No.	Packaging	Quantity
S670-25	Glass Bottle	25g

## Wright' Stain (Powder/Certified Biological Stain), Fisher Chemical

CAS: 68998-92-1

Cat. No.	Packaging	Quantity
W35-25	Glass Bottle	25g

### Gel Materials for Electrophoresis

#### Electrophoresis Gel Materials

## Agarose (Broad Separation Range for DNA/RNA/Genetic Analysis Grade), Fisher BioReagents

$C_{12}H_{18}O_9$   
 CAS: 9012-36-6 F.W. 306.12 Density: 1.7g/mL

Cat. No.	Packaging	Quantity
BP1356-500	Poly Bottle	500g

## Agarose (Low-EE0/Multi-Purpose/Molecular Biology Grade), Fisher BioReagents

$C_{12}H_{18}O_9$   
 CAS: 9012-36-6 Density: 1.7g/mL

Cat. No.	Packaging	Quantity
BP160-100	Poly Bottle	100g
BP160-500	Poly Bottle	500g

## Agarose (Low-Melting, <1kb DNA/RNA/Genetic Analysis Grade), Fisher BioReagents

$C_{12}H_{18}O_9$   
 CAS: 9012-36-6 F.W. 306.12 Density: 1.7g/mL

Cat. No.	Packaging	Quantity
BP1360-100	Poly Bottle	100g

## Agarose (Low-Melting, Nucleic Acid Recovery/Molecular Biology Grade), Fisher BioReagents

$C_{12}H_{18}O_9$   
 CAS: 9012-36-6 F.W. 306.12 Density: 1.7g/mL

Cat. No.	Packaging	Quantity
BP165-25	Poly Bottle	25g

## Agarose (Protein Electrophoresis Grade), Fisher BioReagents

$C_{12}H_{18}O_9$   
 CAS: 9012-36-6 F.W. 306.12

Cat. No.	Packaging	Quantity
BP164-100	Poly Bottle	100g

### Histology Reagents

## CitriSolv™ Hybrid Solvent and Clearing Agent, Fisherbrand™

Cat. No.	Packaging	Quantity
04-355-121	Poly Bottle	1 gal.

## CitriSolv™ Clearing Agent, Fisherbrand™

Xylene substitute for use in histology, cytology and parasitology. Pleasant-smelling, limonene-based solvent derived from citrus. Soluble with absolute alcohol, paraffin embedding media, and mounting media. Causes minimal tissue shrinkage and actually enhances some stains. Dissolves paraffin waxes, glues, and adhesives; dries slowly with no residue. Can safely be used in most histology, cytology, hematology, and microbiology procedures that require xylene. Biodegradable.  
 CAS: 5989-27-5; 25013-16-5



Cat. No.	Packaging	Quantity
22-143-975	Plastic Bottle	1 gal.

## Formaldehyde, 37% by Weight (With Preservative/Certified ACS), Fisher Chemical

Methanal; Methylene Oxide; Oxymethane; Formic Aldehyde; Methylaldehyde  
 $CH_2O$   
 CAS: 50-00-0; 67-56-1; 7732-18-5 F.W. 30.03 Density: >1.0  
 Boiling Point: 101°C Melting Point: 0°C  
 36.5 to 38.0 %  
 DOT Class 3

Cat. No.	Packaging	Quantity
F79-500	Glass Bottle	500mL
F79-1	Glass Bottle	1L
F79-4	Glass Bottle	4L
F79P-4	Poly Bottle	4L

## Formalin, Buffered, 10% (Phosphate Buffer/Certified), Fisher Chemical

CAS: 50-00-0; 67-56-1; 7558-79-4; 10049-21-5; 7732-18-5

Boiling Point: 93.9° to 100°C/201° to 212°F

4to5%w/w

DOT Class 9

Density: 1.0

Melting Point: 0°C

Cat. No.	Packaging	Quantity
SF100-4	Poly Bottle	4L
SF100-20	PolyPac™	20L

## TissuePrep™ Embedding Media (Certified), Fisher Chemical

Paraffin Wax

CAS: 8002-74-2

Cat. No.	Packaging	Quantity
T56-5	Carton	5 lb. (2.3kg)

### Inorganic Acids

#### Boric Acid

## Boric Acid (Crystalline/Certified ACS), Fisher Chemical

Orthoboric Acid; Borofax

 $H_3BO_3$ 

CAS: 10043-35-3

Melting Point: 169°C

≥99.5 %

F.W. 61.83

Density: 1.44g/mL

Cat. No.	Packaging	Quantity
A73500	Poly Bottle	500g
A73-1	Poly Bottle	1kg
A73-10	Poly Pail	10kg

## Boric Acid (Powder/Certified ACS), Fisher Chemical

Orthoboric Acid; Borofax

 $H_3BO_3$ 

CAS: 10043-35-3

Melting Point: 169°C

≥99.5 %

F.W. 61.83

Density: 1.44g/mL

Cat. No.	Packaging	Quantity
A74-500	Poly Bottle	500g
A74-3	Poly Pail	3kg

### Hydrochloric Acid

## Hydrochloric Acid, Certified ACS Plus, Fisher Chemical

HCl

Density: 1.27 (Air = 1.0)

Boiling Point: 83°

Melting Point: -66°C

Cat. No.	Packaging	Quantity
A144-500	Glass Bottle	500ml
A144S-500	Glass/Safe-Cote™ Bottle	500ml

## Hydrochloric Acid (TraceMetal™ Grade), Fisher Chemical

Muriatic Acid

HCl

CAS: 7647-01-0

DOT Class 8

F.W. 36.46

Cat. No.	Packaging	Quantity
A508-4	HDPE bottle	4L

### Nitric Acid

## Nitric Acid (Certified ACS Plus), Fisher Chemical

 $HNO_3$ 

CAS: 7697-37-2; 7732-18-5

Boiling Point: 86°C

70%

DOT Class 8

F.W. 63.01

Melting Point: -42°C

Density: 1.4g/mL

Cat. No.	Packaging	Quantity
A200-500	Glass	500mL
A200-212	Glass	2.5L
A200C-212	Glass	2.5L
A200S500	Glass/Safe-Cote™	500mL
A200S-212	Glass/Safe-Cote™	2.5L

## Nitric Acid (Optima™), Fisher Chemical

 $HNO_3$ 

CAS: 7697-37-2

DOT Class 8

F.W. 63.01

Cat. No.	Packaging	Quantity
A467-250	FEP bottle	250mL
A467-500	FEP bottle	500mL
A467-1	FEP bottle	1L
A467-2	FEP bottle	2L



## Phosphoric Acid

## o-Phosphoric Acid, 85% (Certified ACS), Fisher Chemical

Orthophosphoric Acid

 $H_3O_4P$ 

CAS: 7664-38-2; 7732-18-5

F.W. 98

Density: 1.69g/mL

Boiling Point: 158°C

Melting Point: 21°C

≥85.0 w/w %

DOT Class 8

Cat. No.	Packaging	Quantity
A242-500	Glass Bottle	500mL
A242-1	Glass Bottle	1L
A242-212	Glass Bottle	2.5L
A242SK-212	Glass Bottle	2.5L

## Sulfuric Acid

## Sulfuric Acid (70%/Textile), Fisher Chemical

 $H_2SO_4$ 

CAS: 7732-18-5; 7664-93-9

F.W. 98.08

Density: 1.6g/mL

Boiling Point: 290° to 338°C

Melting Point: 10°C

69.0 to 71.0 %

DOT Class 8

Cat. No.	Packaging	Quantity
SA170-4	Poly Bottle	4L

## Sulfuric Acid (Certified ACS Plus), Fisher Chemical

 $H_2SO_4$ 

CAS: 7664-93-9

F.W. 98.08

Density: 3.38 (Air = 1.0)

Boiling Point: 290° to 338°C/554° to 640.4°F

Melting Point: 10°C

95.0 to 98.0 w/w %

DOT Class 8

Cat. No.	Packaging	Quantity
A300-500	Glass Bottle	500mL
A300-212	Glass Bottle	2.5L
A300C-212	Glass Bottle	2.5L
A300-S212	Flint Glass/Safe-Cote™	6 × 2.5L

## Sulfuric Acid (For Babcock Milk Test), Fisher Chemical

Oil of Vitriol

 $H_2SO_4$ 

CAS: 7664-93-9

F.W. 98.08

Density: 3.38 (Air = 1.0)

Boiling Point: 290° to 338°C/554° to 640.4°F

Melting Point: 10°C

90.5 to 93.0 %

DOT Class 8

Cat. No.	Packaging	Quantity
SA174-4	Poly Bottle	4L

## Sulfuric Acid (Optima™), Fisher Chemical

Oil of Vitriol

 $H_2SO_4$ 

CAS: 7664-93-9

F.W. 98.07

DOT Class 8

Cat. No.	Packaging	Quantity
A468-250	FEP bottle	250mL
A468-500	FEP bottle	500mL
A468-2	FEP bottle	2L

## Sulfuric Acid (TraceMetal™ Grade), Fisher Chemical

Oil of Vitriol

 $H_2SO_4$ 

CAS: 7664-93-9

F.W. 98.08

DOT Class 8

Cat. No.	Packaging	Quantity
A510-P500	HDPE bottle	500mL

## Inorganics

## Aluminum Compounds

## Aluminum Potassium Sulfate Dodecahydrate (Crystalline/Certified ACS), Fisher Chemical

Potassium Alum

 $AlK(SO_4)_2 \cdot 12H_2O$ 

CAS: 7784-24-9

F.W. 474.39

Density: 1.76g/mL

Melting Point: 92°C

98.0 to 102.0 %

Cat. No.	Packaging	Quantity
A601-500	Poly Bottle	500g

## Ammonium Compounds

## Ammonium Acetate (Crystalline/Certified ACS), Fisher Chemical

 $C_2H_7NO_2$ 

CAS: 631-61-8

F.W. 77.08

Density: 1.07g/mL

Melting Point: 110°C

≥97 %

Cat. No.	Packaging	Quantity
A637-500	Poly Bottle	500g

## Ammonium Acetate (Crystalline/HPLC), Fisher Chemical

Acetic Acid Ammonium Salt

 $\text{C}_2\text{H}_7\text{NO}_2$ 

CAS: 631-61-8

F.W. 77.08

Density: 1.07g/mL

Melting Point: 110°C

≥97 %

Cat. No.	Packaging	Quantity
A639-500	Poly Bottle	500g

## Ammonium Molybdate Tetrahydrate (Crystalline/Certified ACS), Fisher Chemical

Ammonium Heptamolybdate Tetrahydrate

 $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}\cdot 4\text{H}_2\text{O}$ 

CAS: 12054-85-2

F.W. 1235.86

Density: 2.49g/mL

Melting Point: 190°C

81.0 to 83.0 %

Cat. No.	Packaging	Quantity
A674-500	Poly Bottle	500g

## Ammonium Nitrate (Granular/Certified ACS), Fisher Chemical

 $\text{NH}_4\text{NO}_3$ 

CAS: 6484-52-2

F.W. 80.04

Density: 1.73g/mL

Melting Point: 169°C

≥98.0 %

DOT Class 5.1

Cat. No.	Packaging	Quantity
A676-500	Poly Bottle	500g
A676-212	Poly Bottle	2.5kg

### Barium Compounds

## Barium Chloride Dihydrate (Crystalline/Certified ACS), Fisher Chemical

 $\text{BaCl}_2\cdot 2\text{H}_2\text{O}$ 

CAS: 10326-27-9

F.W. 244.26

Density: 3.86g/mL

Boiling Point: 1560°C

Melting Point: 962°C

≥99.0 %

DOT Class 6.1

Cat. No.	Packaging	Quantity
B34-500	Poly Bottle	500g

### Calcium Compounds

## Calcium Carbonate (Powder/Certified ACS), Fisher Chemical

Kalkspat; Carbonic Acid Calcium Salt

 $\text{CaCO}_3$ 

CAS: 471-34-1

F.W. 100.09

Density: 2.7g/mL

Melting Point: 825°C

≥99.0 %

Cat. No.	Packaging	Quantity
C64-500	Glass Bottle	500g
C64-3	Poly Pail	3kg

### Iron Compounds

## Ferric Chloride Hexahydrate (Lumps/Certified ACS), Fisher Chemical

Iron (III) Chloride

 $\text{FeCl}_3\cdot 6\text{H}_2\text{O}$ 

CAS: 10025-77-1

F.W. 270.3

Density: 1.82g/mL

Boiling Point: 280° to 285°C/536° to 545°F

Melting Point: 37°C

97 to 102 %

DOT Class 8

Cat. No.	Packaging	Quantity
I88-500	Poly Bottle	500g

## Ferrous Ammonium Sulfate Hexahydrate (Crystalline/Certified ACS), Fisher Chemical

Mohr Salt; Iron (II) Ammonium Sulfate Hexahydrate

 $\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2\cdot 6\text{H}_2\text{O}$ 

CAS: 7783-85-9

F.W. 392.14

Density: 1.87g/mL

Melting Point: 100°C (dec)

98.5 to 101.5 %

Cat. No.	Packaging	Quantity
I77-500	Poly Bottle	500g

## Ferrous Sulfate Heptahydrate (Crystalline/Certified ACS), Fisher Chemical

Iron (II) Sulfate

 $\text{FeSO}_4\cdot 7\text{H}_2\text{O}$ 

CAS: 7782-63-0

F.W. 278.01

Density: 1.9g/mL

Boiling Point: 300°C

Melting Point: 64°C

≥99.0 %

Cat. No.	Packaging	Quantity
I146-500	Poly Bottle	500g

## Lanthanum Compounds

## Lanthanum Oxide (Reagent), Fisher Chemical

La<sub>2</sub>O<sub>3</sub>  
 CAS: 1312-81-8      F.W. 325.81      Density: 6.51g/mL  
 Boiling Point: 4,200°C      Melting Point: 2,315.00°C  
 ≥99 %

Cat. No.	Packaging	Quantity
03357-250	Glass Bottle	250g

## Magnesium Compounds

## Magnesium Sulfate Anhydrous (Powder/Certified), Fisher Chemical

Bitter Salt  
 MgSO<sub>4</sub>  
 CAS: 7487-88-9      F.W. 120.37      Density: 2.65g/mL

Cat. No.	Packaging	Quantity
M65-500	Poly Bottle	500g

## Magnesium Sulfate Heptahydrate (Crystalline/Certified ACS), Fisher Chemical

MgSO<sub>4</sub>·7H<sub>2</sub>O  
 CAS: 10034-99-8      F.W. 246.47      Density: 1.68g/mL  
 98 to 102 %

Cat. No.	Packaging	Quantity
M63-500	Poly Bottle	500g

## Potassium Compounds

## Potassium Chlorate (Crystalline/Certified ACS), Fisher Chemical

Berthollet's Salt  
 KClO<sub>3</sub>  
 CAS: 3811-04-9      F.W. 122.55      Density: 2.52g/mL  
 Melting Point: 356° to 368°C/672.8° to 694.4°F  
 ≥99.0 %  
 DOT Class 5.1

Cat. No.	Packaging	Quantity
P212-500	Glass Bottle	500g

## Potassium Chloride (Crystalline/Certified ACS), Fisher Chemical

KCl  
 CAS: 7447-40-7      F.W. 74.55      Density: 1.99g/mL  
 Boiling Point: Sublimes at 1500°C      Melting Point: 773°C  
 99.0 to 100.5 %

Cat. No.	Packaging	Quantity
P217-500	Poly Bottle	500g
P217-10	Poly Pail	10kg

## Potassium Chloride (White Crystals), Fisher BioReagents

KCl  
 CAS: 7447-40-7      F.W. 74.55      Density: 1.99g/mL  
 Boiling Point: Sublimes at 1500°C      Melting Point: 773°C  
 99.0 to 100.5 %

Cat. No.	Packaging	Quantity
BP366-500	Poly Bottle	500g
BP366-1	Poly Bottle	1kg

## Potassium Iodide (Granular, Free Flowing/Certified ACS), Fisher Chemical

KI  
 CAS: 7681-11-0      F.W. 166      Density: 3.13g/mL  
 Boiling Point: 1330°C      Melting Point: 680°C  
 ≥99 %

Cat. No.	Packaging	Quantity
P410-500	Poly Bottle	500g
P410-10	Poly Pail	10kg

## Potassium Iodide (Granular, Free Flowing/USP/FCC), Fisher Chemical

KI  
 CAS: 7681-11-0      F.W. 166      Density: 3.13g/mL  
 Boiling Point: 1330°C      Melting Point: 680°C

Cat. No.	Packaging	Quantity
P412-500	Poly Bottle	500g

## Potassium Permanganate (Crystalline/Certified ACS), Fisher Chemical

KMnO<sub>4</sub>  
 CAS: 7722-64-7      F.W. 158.03      Density: 2.7g/mL  
 Melting Point: 240°C  
 ≥99 %  
 DOT Class 5.1

Cat. No.	Packaging	Quantity
P279-500	Glass Bottle	500g

## Potassium Phosphate Dibasic (Fine White Crystalline Powder), Fisher BioReagents

Phosphoric Acid, Dipotassium Salt; Potassium monohydrogen phosphate  
 HK<sub>2</sub>O<sub>4</sub>P  
 CAS: 7758-11-4      F.W. 174.18      Melting Point: 340°C  
 ≥98.0 %

Cat. No.	Packaging	Quantity
BP363-1	Poly Bottle	1kg

## Potassium Phosphate Dibasic Anhydrous (Crystalline Powder/Certified ACS), Fisher Chemical

Potassium Monohydrogen Phosphate; Dipotassium Hydrogen Phosphate

$K_2HPO_4$

CAS: 7758-11-4

F.W. 174.18

Density: 2.3g/mL

Melting Point: 252.78°C

≥98.0 %

Cat. No.	Packaging	Quantity
P288-500	Glass Bottle	500g

## Potassium Phosphate Monobasic (Crystalline/Certified ACS), Fisher Chemical

Potassium Dihydrogen Phosphate

$KH_2PO_4$

CAS: 7778-77-0

F.W. 136.09

Density: 2.34g/mL

Melting Point: 252.6°C

≥99 %

Cat. No.	Packaging	Quantity
P285-500	Poly Bottle	500g
P285-3	Poly Bottle	3kg

## Potassium Phosphate Monobasic (Crystalline/HPLC), Fisher Chemical

Potassium Dihydrogen Phosphate

$KH_2PO_4$

CAS: 7778-77-0

F.W. 136.09

Density: 2.34g/mL

Melting Point: 252.6°C

≥99 %

Cat. No.	Packaging	Quantity
P286-1	Glass Bottle	1kg

## Potassium Phosphate Monobasic (White Crystals), Fisher BioReagents

Phosphoric Acid, Monopotassium Salt; Potassium acid phosphate; Potassium biphosphate; Potassium dihydrogen phosphate

$KH_2PO_4$

CAS: 7778-77-0

F.W. 136.09

Density: 2.34g/mL

Melting Point: 252.6°C

≥99.0 %

Cat. No.	Packaging	Quantity
BP362-1	Poly Bottle	1kg

## Potassium Sulfate (Crystalline/Certified ACS), Fisher Chemical

$K_2O_4S$

CAS: 7778-80-5

F.W. 174.26

Density: 2.66g/mL

Boiling Point: 1689°C

Melting Point: 1067°C

≥99 %

Cat. No.	Packaging	Quantity
P304-500	Poly Bottle	500g

## Potassium Sulfate (Powder/Certified ACS), Fisher Chemical

$K_2O_4S$

CAS: 7778-80-5

F.W. 174.26

Density: 2.66g/mL

Boiling Point: 1689°C

Melting Point: 1067°C

≥99 %

Cat. No.	Packaging	Quantity
P305-500	Glass Bottle	500g

## Potassium Thiocyanate (Crystalline/Certified ACS), Fisher Chemical

Potassium Rhodanate; Potassium Sulfoyanate; Potassium Sulfoyanide; Potassium Isothiocyanate

KSCN

CAS: 333-20-0

F.W. 97.18

Density: 1.89g/mL

Boiling Point: 500°C

Melting Point: 170° to 179°C/338° to 354.2°F

≥98.5 %

Cat. No.	Packaging	Quantity
P317-500	Glass Bottle	500g

### Silver Compounds

## Silver Nitrate (Crystalline/Certified ACS), Fisher Chemical

$AgNO_3$

CAS: 7761-88-8

F.W. 169.87

Density: 4.35g/mL

Boiling Point: 433°C

Melting Point: 212°C

≥99.7 %

DOT Class 5.1

Cat. No.	Packaging	Quantity
S181-25	Glass Bottle	25g
S181-100	Glass Bottle	100g
S181-500	Glass Bottle	500g

## Silver Sulfate (Powder/Certified ACS), Fisher Chemical

$Ag_2O_4S$

CAS: 10294-26-5

F.W. 311.8

Density: 5.5g/mL

Boiling Point: 1085°C

Melting Point: 652.2°C

≥98 %

Cat. No.	Packaging	Quantity
S190-25	Glass Bottle	25g
S190-100	Glass Bottle	100g

## Sodium Compounds

## Sodium Chloride (Crystalline/Certified ACS), Fisher Chemical

Salt  
NaCl  
CAS: 7647-14-5      FW. 58.44      Density: 2.17g/mL  
Boiling Point: 1461°C      Melting Point: 801°C  
≥99.0 %

Cat. No.	Packaging	Quantity
S271500	Poly Bottle	500g
S271-3	Poly Bottle	3kg
S271-10	Poly Pail	10kg

## Sodium Phosphate Dibasic Anhydrous (Granular or Powder/Certified ACS), Fisher Chemical

Monohydrogen Sodium Phosphate; Disodium Hydrogen Phosphate  
Na<sub>2</sub>HPO<sub>4</sub>  
CAS: 7558-79-4      FW. 141.96      Density: 1.67g/mL  
Melting Point: 47.78°C  
≥99 %

Cat. No.	Packaging	Quantity
S374500	Glass Bottle	500g
S374-1	Poly Bottle	1kg

## Sodium Phosphate Dibasic Heptahydrate (Crystalline/Certified ACS), Fisher Chemical

Monohydrogen Sodium Phosphate; Disodium Hydrogen Phosphate  
HNa<sub>2</sub>O<sub>4</sub>P·7H<sub>2</sub>O  
CAS: 7782-85-6      FW. 268.07      Density: 1.68g/mL  
Melting Point: 48°C  
98 to 102 %

Cat. No.	Packaging	Quantity
S373500	Poly Bottle	500g

## Sodium Phosphate Monobasic Anhydrous (Colorless-to-White Crystals), Fisher BioReagents

Sodium Dihydrogen Phosphate  
NaH<sub>2</sub>PO<sub>4</sub>  
CAS: 7558-80-7      FW. 119.98      Density: 2.04g/mL  
Boiling Point: 203.9°C      Melting Point: 100°C  
≥99 %

Cat. No.	Packaging	Quantity
BP329-1	Poly Bottle	1kg

## Sodium Phosphate Monobasic Dihydrate (Crystalline/Certified), Fisher Chemical

Monosodium Orthophosphate; Monosodium Phosphate; Sodium Acid Phosphate; Sodium Biphosphate; Sodium Dihydrogen Phosphate  
H<sub>2</sub>NaO<sub>4</sub>P·2H<sub>2</sub>O  
CAS: 13472-35-0      FW. 156.01      Melting Point: 225°C  
≥99 %

Cat. No.	Packaging	Quantity
S381-500	Poly Bottle	500g

## Sodium Phosphate Monobasic Monohydrate (Crystalline/Certified ACS), Fisher Chemical

Monosodium Orthophosphate; Monosodium Phosphate; Sodium Acid Phosphate; Sodium Biphosphate; Sodium Dihydrogen Phosphate  
H<sub>2</sub>O<sub>4</sub>PNa·H<sub>2</sub>O  
CAS: 10049-21-5      FW. 137.99      Density: 2.04g/mL  
Boiling Point: 203.89°C      Melting Point: 100°C  
98 to 102 %

Cat. No.	Packaging	Quantity
S369500	Poly Bottle	500g
S369-1	Poly Bottle	1kg

## Sodium Phosphate Tribasic Dodecahydrate (Crystalline/Certified ACS), Fisher Chemical

Phosphoric Acid Trisodium Salt; Trisodium Phosphate  
Na<sub>3</sub>PO<sub>4</sub>·12H<sub>2</sub>O  
CAS: 10101-89-0      FW. 380.12      Density: 1.62g/mL  
Melting Point: 75.00°C  
98 to 102 %

Cat. No.	Packaging	Quantity
S377-500	Poly Bottle	500g

## Sodium Sulfate Anhydrous (Granular/Certified ACS), Fisher Chemical

Na<sub>2</sub>SO<sub>4</sub>  
CAS: 7757-82-6      FW. 142.04      Density: 2.68g/mL  
Boiling Point: 1700°C      Melting Point: 884° to 888°C/1623.2° to 1630.4°F  
≥99.0 %

Cat. No.	Packaging	Quantity
S421-500	Glass Bottle	500g
S421-3	Glass Bottle	3kg
S421-1	Poly Bottle	1kg



## Sodium Tetraborate Decahydrate (Crystalline/Certified ACS), Fisher Chemical

Sodium Baborate; Sodium Pyroborate; Borax  
 $B_4Na_{10}O_{17} \cdot 10H_2O$

**CAS:** 1303-96-4      **FW:** 381.37      **Density:** 1.73g/mL  
**Boiling Point:** 1575°C      **Melting Point:** 741°C  
 99.5 to 105.0 %

Cat. No.	Packaging	Quantity
S248-500	Amber Glass	500g
S248-10	Poly Pail	10kg

## Sodium Tetraborate Decahydrate (Powder/Certified ACS), Fisher Chemical

Sodium Baborate; Sodium Pyroborate; Borax  
 $B_4Na_{10}O_{17} \cdot 10H_2O$

**CAS:** 1303-96-4      **FW:** 381.37      **Density:** 1.73g/mL  
**Boiling Point:** 1575°C      **Melting Point:** 741°C  
 99.5 to 105.0 %

Cat. No.	Packaging	Quantity
S249-500	Glass	500g

## Sodium Thiosulfate Anhydrous (Certified), Fisher Chemical

Sodium Hyposulfite  
 $Na_2O_3S_2$

**CAS:** 7772-98-7      **FW:** 158.11      **Density:** 1.66g/mL  
**Melting Point:** 43°C  
 ≥98 %

Cat. No.	Packaging	Quantity
S446-500	Poly Bottle	500g

## Sodium Thiosulfate Pentahydrate (Crystalline/Certified ACS), Fisher Chemical

$Na_2O_3S_2 \cdot 5H_2O$

**CAS:** 10102-17-7      **FW:** 248.19      **Density:** 1.73g/mL  
**Melting Point:** 48.5°C  
 99.5 to 101.0 %

Cat. No.	Packaging	Quantity
S445-500	Poly Bottle	500g

### Organic Acids

#### Acetic Acid

## Acetic Acid, Glacial (Certified ACS), Fisher Chemical

$C_2H_4O_2$

**CAS:** 64-19-7      **FW:** 60.05      **Density:** 2.10 (Air = 1.0)  
**Boiling Point:** 117° to 118°C/242.6° to 244.4°F  
**Melting Point:** 16° to 16.5°C/60.8° to 61.7°F  
 ≥99.7 w/w %  
 DOT Class 8

Cat. No.	Packaging	Quantity
A38-500	Glass	500mL
A38-212	Glass	2.5L
A38C-212	Glass	6 × 2.5L
A38SI-212	Glass/Safe-Cote™ Individual	2.5L
A38S-212	Glass/Safe-Cote™	6 × 2.5L

#### Trichloroacetic Acid

## Trichloroacetic Acid (Flakes or Crystals), Fisher BioReagents

Trichloroethanoic Acid; TCA

$C_2HCl_3O_2$

**CAS:** 76-03-9      **FW:** 163.39      **Density:** 5.6 (Air = 1.0)  
**Boiling Point:** 196°C      **Melting Point:** 52° to 58°C/125.6° to 136.4°F  
 ≥99.0 %  
 DOT Class 8

Cat. No.	Packaging	Quantity
BP555-500	Glass Bottle	500g

#### Trifluoroacetic Acid

## Trifluoroacetic Acid (Reagent), Fisher Chemical

TFA

$C_2HF_3O_2$

**CAS:** 76-05-1      **FW:** 114.02      **Density:** 3.9  
**Boiling Point:** 72°C      **Melting Point:** -15°C  
 ≥97 %  
 DOT Class 8

Cat. No.	Packaging	Quantity
O4901-500	Glass Bottle	500mL

### Organics

#### A1 to Aceto - Organics

## Acetic Anhydride (Certified ACS), Fisher Chemical

Acetyl Oxide; Acetic Oxide

$C_4H_6O_3$

**CAS:** 108-24-7      **FW:** 102.09      **Density:** 1.08g/mL  
**Boiling Point:** 137°C      **Melting Point:** -73.1°C  
 ≥97.0 %  
 DOT Class 8

Cat. No.	Packaging	Quantity
A10-1	Glass Bottle	1L
A10-4	Glass Bottle	4L

## Aminothia to Amy - Organics

## Ammonium Oxalate Monohydrate (Crystalline/Certified ACS), Fisher Chemical

Ethanedioic Acid; Diammonium Salt Monohydrate

 $C_2H_8N_2O_4 \cdot H_2O$ 

CAS: 6009-70-7

F.W. 142.11

Density: 1.5g/mL

Melting Point: 70°C

99.0 to 101.0 %

DOT Class 6.1

Cat. No.	Packaging	Quantity
A679-500	Poly Bottle	500g

## Arb to Az - Organics

## Ascorbic Acid (Powder/USP/FCC), Fisher Chemical

Vitamin C; L-Ascorbic Acid

 $C_6H_8O_6$ 

CAS: 50-81-7

F.W. 176.13

Density: 1.65g/mL

Melting Point: 190°C

Cat. No.	Packaging	Quantity
A62-500	Poly Bottle	500g

## L-Ascorbic Acid (Crystalline/Certified ACS), Fisher Chemical

Vitamin C; Ascorbic Acid

 $C_6H_8O_6$ 

CAS: 50-81-7

F.W. 176.13

Density: 1.65g/mL

Melting Point: 190°C

≥99.0 %

Cat. No.	Packaging	Quantity
A61-100	Glass Bottle	100g

## Cap to Carbow - Organics

## Carbon, Activated (Powder/USP), Fisher Chemical

C

CAS: 7440-44-0

Density: 1.8g/mL

Melting Point: 3652°C

Cat. No.	Packaging	Quantity
C272-500	Glass Bottle	500g

## E1 to Ethoxyb - Organics

## Ethylenediaminetetraacetic Acid, Di K Salt Dihydrate (White Crystalline Powd.), Fisher BioReagents

EDTA, Dipotassium Salt

 $C_{10}H_{14}N_2O_8K_2 \cdot 2H_2O$ 

CAS: 25102-12-9

F.W. 404.47

Melting Point: 272°C (decom)

≥99.0 %

Cat. No.	Packaging	Quantity
BP119-500	Glass Bottle	500g

## Ethylenediaminetetraacetic Acid, Di Na Salt Dihydr. (Crystalline Powd./ Electrophor.), Fisher BioReagents

EDTA, Disodium Salt; Sodium Versenate

 $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ 

CAS: 6381-92-6

F.W. 372.23

Melting Point: 252°C

≥99.0 %

Cat. No.	Packaging	Quantity
BP120500	Glass Bottle	500g
BP120-1	Poly Bottle	1kg

## Ethylenediaminetetraacetic Acid, Disodium Salt Dihydrate (Crystalline/Certified ACS), Fisher Chemical

Sodium (Di) Ethylenediamine Tetraacetate Dihydrate; EDTA Disodium Salt; (Ethylenedinitrilo) tetraacetic Acid Disodium Salt Dihydrate

 $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ 

CAS: 6381-92-6

F.W. 372.24

Melting Point: 252°C

99.0 to 101.0 %

Cat. No.	Packaging	Quantity
S311-500	Poly Bottle	500g

## G1 to Glycero - Organics

## Glycerol (Certified ACS), Fisher Chemical

Glycerin; 1,2,3-Propanetriol

 $C_3H_8O_3$ 

CAS: 56-81-5

F.W. 92.09

Density: 3.17 (Water = 1.0)

Boiling Point: 290°C/554°F

Melting Point: 18°C/64.4°C

≥99.5 %

Cat. No.	Packaging	Quantity
G33500	Glass Bottle	500mL
G33-1	Glass Bottle	1L
G334	Glass Bottle	4L

## Glycerol (Clear, Colorless/USP/FCC), Fisher Chemical

Glycerin; 1,2,3-Propanetriol  
C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>

CAS: 56-81-5

Boiling Point: 290°C

F.W. 92.1

Melting Point: 20°C

Density: 3.17 (Water = 1.0)

Cat. No.	Packaging	Quantity
G31-500	Glass Bottle	500mL

### H1 to Heptyla - Organics

## 1-Heptanesulfonic Acid Sodium Salt (HPLC), Fisher Chemical

C<sub>7</sub>H<sub>15</sub>O<sub>3</sub>S·Na

CAS: 22767-50-6

≥98 %

F.W. 202.24

Melting Point: >300°C

Cat. No.	Packaging	Quantity
03013-25	Glass Bottle	25g

### Hexakis to Hexyll - Organics

## 1-Hexanesulfonic Acid Sodium Salt (HPLC), Fisher Chemical

Sodium Hexanesulfonate

CH<sub>3</sub>(CH<sub>2</sub>)<sub>5</sub>SO<sub>3</sub>Na

CAS: 2832-45-3

≥98 %

F.W. 188.22

Melting Point: >300°C

Cat. No.	Packaging	Quantity
03072-25	Glass Bottle	25g

### L1 to Lev - Organics

## Lecithin (Vegetable/Laboratory), Fisher Chemical

Phosphatidylcholine

CAS: 8002-43-5

Density: 1.03g/mL

Melting Point: 236.11°C

Cat. No.	Packaging	Quantity
03376-250	Poly Bottle	250g

### Methylbenzoyl to Methylchloroa

## Methyl tert-Butyl Ether (HPLC), Fisher Chemical

MTBE; tert-Butyl Methyl Ether

C<sub>5</sub>H<sub>12</sub>O

CAS: 1634-04-4

Boiling Point: 54° to 56°C/129.2° to 132.8°F

99% min by GC

DOT Class 3

F.W. 88.14

Density: 0.2 (Air = 1.0)

Melting Point: -109°C

Cat. No.	Packaging	Quantity
E127-4	Amber Glass	4L

### Methylpip to Methylsulfa - Organics

## 1-Methyl-2-pyrrolidinone (Laboratory), Fisher Chemical

1-Methylpyrrolidone; N-Methyl- $\alpha$ -Pyrrolidinone; NMP

C<sub>5</sub>H<sub>9</sub>NO

CAS: 872-50-4

Boiling Point: 202°C

F.W. 99.13

Melting Point: -24°C

Density: 3.4 (Air = 1.0)

Cat. No.	Packaging	Quantity
03688-4	Glass Bottle	4L

### Mi to Mz - Organics

## Mineral Oil, Heavy (USP/FCC), Fisher Chemical

Paraffin - Liquid; Paraffin Oil, Heavy; Liquid Petrolatum

CAS: 8042-47-5

Density: 0.83g/mL

Boiling Point: 260° to 427°C/500° to 800.1°F

Cat. No.	Packaging	Quantity
01224	Glass Bottle	4L

## Mineral Oil, Light (NF/FCC), Fisher Chemical

Paraffin - Liquid; Glymol for Babcock Test; Paraffin Oil, Light; Light Liquid Petrolatum

CAS: 8042-47-5

Density: 0.83g/mL

Boiling Point: 260° to 427°C/500° to 800.1°F

Cat. No.	Packaging	Quantity
01211	Glass Bottle	1L
0121-4	Glass Bottle	4L

### Perfluoros to Phenoxyd - Organics

## Phenol (Crystals/Certified ACS), Fisher Chemical

Carbolic Acid; Phenyl Hydroxide; Hydroxybenzene

C<sub>6</sub>H<sub>5</sub>OH

CAS: 108-95-2

F.W. 94.11

Density: 3.2

Boiling Point: 90.2°C at 25 mmHg

Melting Point: 39° to 42°C/102.2° to 107.6°F

≥99.0 %

DOT Class 6.1

Cat. No.	Packaging	Quantity
A92-500	Amber Glass/Poison Pack	500g

## Phenol (Liquid/Certified), Fisher Chemical

Carbolic Acid; Phenyl Hydroxide; Hydroxybenzene

CAS: 108-95-2

Density: 3.2

DOT Class 6.1

Cat. No.	Packaging	Quantity
A9311-500	Glass Bottle	500mL
A9311-1	Glass Bottle	1L

## Q1 to Qz - Organics

## Quinoline (Certified), Fisher Chemical

1-Benzazine; Leucoline; Benzo[b]Pyridine

C<sub>8</sub>H<sub>7</sub>N

CAS: 91-22-5

F.W. 129.16

Density: 1.09g/mL

Boiling Point: 237°C

Melting Point: -15°C

DOT Class 6.1

Cat. No.	Packaging	Quantity
Q35-500	Glass Bottle	500mL

## Stau to Sz - Organics

## Sucrose (Crystalline/Certified ACS), Fisher Chemical

Cane Sugar; Saccharose; Sugar

C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>

CAS: 57-50-1

F.W. 342.3

Melting Point: 190° to 192°C/374° to 377.6°F

Cat. No.	Packaging	Quantity
S5500	Poly Bottle	500g

## T1 to Tetradece - Organics

## Tetrachloroethylene (Technical), Fisher Chemical

Carbon Dichloride; Tetrachloroethene; Perchloroethylene; Ethylene Tetrachloride

C<sub>2</sub>Cl<sub>4</sub>

CAS: 127-18-4

F.W. 165.83

Density: 5.8

Boiling Point: 121°C

Melting Point: -22.3°C

DOT Class 6.1

Cat. No.	Packaging	Quantity
C182-4	Glass Bottle	4L

## Thiophene to Tolyh - Organics

## o-Tolidine Dihydrochloride (Certified ACS), Fisher Chemical

3,3'-Dimethylbenzidine Dihydrochloride

C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>·2HCl

CAS: 612-82-8

F.W. 285.22

Melting Point: 300°C

Cat. No.	Packaging	Quantity
T320-100	Glass Bottle	100g

## Polymers

## Methyl Cellulose (Powder/USP/FCC), Fisher Chemical

Cellulose Methyl Ether

CAS: 9004-67-5

Cat. No.	Packaging	Quantity
M352-500	Glass Bottle	500g

## Starch, Soluble (Powder/Certified ACS), Fisher Chemical

C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>x

CAS: 9005-84-9

Density: 1.5g/mL

Cat. No.	Packaging	Quantity
S516-100	Glass Bottle	100g
S516-500	Glass Bottle	500g

## Solutions for Chemical Testing

## Ethylenediaminetetraacetic Acid, Disodium Salt, Standard Solution (0.1M/ Certified), Fisher Chemical

CAS: 6381-92-6; 7732-18-5

Density: 1.02g/mL

Melting Point: 0°C

Cat. No.	Packaging	Quantity
SS412-1	Poly Bottle	1L

## Hydrogen Peroxide, 50% (Stabilized/ Certified), Fisher Chemical

Hydrogen Dioxide; Hydroperoxide

H<sub>2</sub>O<sub>2</sub>

CAS: 7722-84-1; 7732-18-5

F.W. 34.01

Density: 1.1g/mL

Boiling Point: 108°C

Melting Point: -33°C

48 to 51 %

DOT Class 5.1

Cat. No.	Packaging	Quantity
H341-500	Poly Bottle	500mL

## Iodine Solution, 0.1N (N/10) (Certified), Fisher Chemical

CAS: 7681-11-0; 7553-56-2; 7732-18-5

Density: 0.7

Melting Point: 0°C

Cat. No.	Packaging	Quantity
SI86-1	Glass Bottle	1L

## Silver Nitrate Solution (0.1N (N/10)/ Certified), Fisher Chemical

CAS: 7761-88-8; 7732-18-5

Density: 0.7

DOT Class 5.1

Cat. No.	Packaging	Quantity
SS72-1	Glass Bottle	1L

## Sodium Hypochlorite Solution (5.65-6%/Laboratory), Fisher Chemical

NaOCl  
 CAS: 7681-52-9; 7732-18-5      **FW.** 74.44      **Density:** 1.1g/mL  
**Melting Point:** 0°C  
 DOT Class 8

Cat. No.	Packaging	Quantity
SS290-1	Poly Bottle	1L
SS290-4	Poly Bottle	4L

### Solvents

#### Acetate

## Ethyl Acetate (HPLC), Fisher Chemical

EtOAc; Acetic Acid Ethyl Ester  
 $C_4H_8O_2$   
 CAS: 141-78-6      **FW.** 88.11      **Density:** 3.04 (Air = 1.0)  
**Boiling Point:** 75° to 78°C/167° to 171.5°F      **Melting Point:** -83°C  
 99.9% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
E195-1	Glass Bottle	1L
E195-4	Glass Bottle	4L

## Ethyl Acetate (Optima™), Fisher Chemical

Acetic Acid Ethyl Ester  
 $C_4H_8O_2$   
 CAS: 141-78-6      **FW.** 88.11      **Density:** 3.04 (Air = 1.0)  
**Boiling Point:** 75° to 78°C/167° to 171.5°F      **Melting Point:** -83°C  
 99.9% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
E196-4	Glass Bottle	4L

## Ethyl Acetate (Pesticide), Fisher Chemical

Acetic Acid Ethyl Ester  
 $C_4H_8O_2$   
 CAS: 141-78-6      **FW.** 88.11      **Density:** 3.04 (Air = 1.0)  
**Boiling Point:** 75° to 78°C/167° to 171.5°F      **Melting Point:** -83°C  
 DOT Class 3

Cat. No.	Packaging	Quantity
E191-4	Glass Bottle	4L

### Acetone

## Acetone (Certified ACS), Fisher Chemical

2-Propanone; Dimethyl Ketone  
 $C_3H_6O$   
 CAS: 67-64-1      **FW.** 58.08      **Density:** 2.0 (Air = 1.0)  
**Boiling Point:** 56°C      **Melting Point:** -94°C  
 ≥99.5%  
 DOT Class 3

Cat. No.	Packaging	Quantity
A18500	Glass Bottle	500mL
A18-4	Glass Bottle	4L
A18P-4	Poly Bottle	4L
A18-20	Steel Pail	20L
A18-200	Steel Drum	200L

## Acetone (Electronic), Fisher Chemical

2-Propanone; Dimethyl Ketone  
 $C_3H_6O$   
 CAS: 67-64-1      **FW.** 58.08      **Density:** 2.0 (Air = 1.0)  
**Boiling Point:** 56°C      **Melting Point:** -94°C  
 96% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
A946-4	Glass Bottle	4L

## Acetone (HPLC), Fisher Chemical

2-Propanone; Dimethyl Ketone  
 $C_3H_6O$   
 CAS: 67-64-1      **FW.** 58.08      **Density:** 2.0 (Air = 1.0)  
**Boiling Point:** 56°C      **Melting Point:** -94°C  
 99.9% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
A949-1	Glass Bottle	1L
A949-4	Glass Bottle	4L

## Acetone (Optima™), Fisher Chemical

2-Propanone; Dimethyl Ketone  
 $C_3H_6O$   
 CAS: 67-64-1      **FW.** 58.08      **Density:** 2.0 (Air = 1.0)  
**Boiling Point:** 56°C      **Melting Point:** -94°C  
 99.9% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
A929-4	Glass Bottle	4L

## Acetone (Pesticide), Fisher Chemical

2-Propanone; Dimethyl Ketone  
 $C_3H_6O$   
 CAS: 67-64-1      **FW.** 58.08      **Density:** 2.0 (Air = 1.0)  
**Boiling Point:** 56°C      **Melting Point:** -94°C  
 DOT Class 3

Cat. No.	Packaging	Quantity
A40-4	Glass Bottle	4L

## Acetone (Spectranalyzed™), Fisher Chemical

2-Propanone; Dimethyl Ketone  
 $C_3H_6O$   
 CAS: 67-64-1      **FW.** 58.08      **Density:** 2.0 (Air = 1.0)  
**Boiling Point:** 56°C      **Melting Point:** -94°C  
 ≥99.5%  
 DOT Class 3

Cat. No.	Packaging	Quantity
A19-1	Glass Bottle	1L



## Acetonitrile

## Acetonitrile (HPLC), Fisher Chemical

ACN; Ethanenitrile; Methyl Cyanide

C<sub>2</sub>H<sub>3</sub>N

CAS: 75-05-8

F.W. 41.05

Density: 1.42 (Air = 1.0)

Boiling Point: 81.6°C

Melting Point: -45°C

99.9% min by GC

DOT Class 3

Cat. No.	Packaging	Quantity
A9981	Glass Bottle	1L
A9984	Glass Bottle	4L
A998SK-4	SafeCote Glass Bottle	4L

## Acetonitrile (Optima™ LC/MS), Fisher Chemical

ACN; Ethanenitrile; Methyl Cyanide

C<sub>2</sub>H<sub>3</sub>N

CAS: 75-05-8

F.W. 41.05

Density: 1.42 (Air = 1.0)

Boiling Point: 81.6°C

Melting Point: -45°C

99.9% min by GC

DOT Class 3

Cat. No.	Packaging	Quantity
A955-1	Glass Bottle	1L
A955-4	Glass Bottle	4L

## Acetonitrile (Optima™), Fisher Chemical

ACN; Ethanenitrile; Methyl Cyanide

C<sub>2</sub>H<sub>3</sub>N

CAS: 75-05-8

F.W. 41.05

Density: 1.42 (Air = 1.0)

Boiling Point: 81.6°C

Melting Point: -45°C

99.9% min by GC

DOT Class 3

Cat. No.	Packaging	Quantity
A996-1	Glass Bottle	1L
A996-4	Glass Bottle	4L

## Acetonitrile (Pesticide), Fisher Chemical

Methyl Cyanide; Ethanenitrile

C<sub>2</sub>H<sub>3</sub>N

CAS: 75-05-8

F.W. 41.05

Density: 1.42 (Air = 1.0)

Boiling Point: 81.6°C

Melting Point: -45°C

DOT Class 3

Cat. No.	Packaging	Quantity
A999-4	Glass Bottle	4L

## Butanol [1-]

## 1-Butanol (Certified ACS), Fisher Chemical

n-Butyl Alcohol; Butyl alcohol

C<sub>4</sub>H<sub>10</sub>O

CAS: 71-36-3

F.W. 74.12

Density: 2.6 (Air = 1.0)

Boiling Point: 116°C

Melting Point: -89.5°C

≥99.4 %

DOT Class 3

Cat. No.	Packaging	Quantity
A399-4	Glass Bottle	4L
A399-20	Steel Pail	20L

## 1-Butanol (HPLC), Fisher Chemical

n-Propyl Carbinol; n-Butyl Alcohol

C<sub>4</sub>H<sub>10</sub>O

CAS: 71-36-3

F.W. 74.12

Density: 2.6 (Air = 1.0)

Boiling Point: 116°C

Melting Point: -89.5°C

≥99.4 %

DOT Class 3

Cat. No.	Packaging	Quantity
A383-1	Amber Glass, EcoSafPak™	1L
A383-4	Amber Glass, EcoSafPak™	4L

## Butanone [2-]

## Methyl Ethyl Ketone (Certified ACS), Fisher Chemical

Ethyl Methyl Ketone; 2-Butanone

C<sub>4</sub>H<sub>8</sub>O

CAS: 78-93-3

F.W. 72.11

Density: 2.41 (Air = 1.0)

Boiling Point: 80°C

Melting Point: -87°C

≥99 %

DOT Class 3

Cat. No.	Packaging	Quantity
M209-1	Glass Bottle	1L
M209-4	Glass Bottle	4L

## Chlorobenzene

## Chlorobenzene (Laboratory), Fisher Chemical

Monochlorobenzene; Benzene Chloride

C<sub>6</sub>H<sub>5</sub>Cl

CAS: 108-90-7

F.W. 112.56

Density: 3.9 (Air = 1.0)

Boiling Point: 131°C

Melting Point: -45°C

DOT Class 3

Cat. No.	Packaging	Quantity
B254-4	Glass Bottle	4L

## Chloroform

## Chloroform (Approx. 0.75% Ethanol as Preservative/HPLC), Fisher Chemical

Trichloromethane

CHCl<sub>3</sub>

CAS: 67-66-3; 64-17-5

F.W. 119.38

Density: 4.12 (Air = 1.0)

Boiling Point: 60.5° to 61.5°C/140.9° to 142.7°F

Melting Point: -63°C

99.8% min by GC

DOT Class 6.1

Cat. No.	Packaging	Quantity
C606-1	Glass Bottle	1L
C606-4	Glass Bottle	4L

## Chloroform (Approx. 50ppm Amylene as Preservative/Optima™), Fisher Chemical

Trichloromethane

 $\text{CHCl}_3$ 

CAS: 67-66-3; 513-35-9

F.W. 119.38

Density: 1.49g/mL

Boiling Point: 60.5° to 61.5°C

Melting Point: -63°C

99.9% min by GC

DOT Class 6.1

Cat. No.	Packaging	Quantity
C297-4	Amber Glass	4L

## Chloroform (Ethanol as Preservative/Certified ACS), Fisher Chemical

Trichloromethane

 $\text{CHCl}_3$ 

CAS: 67-66-3; 64-17-5

F.W. 119.38

Density: 4.12 (Air = 1.0)

Boiling Point: 60.5° to 61.5°C/140.9° to 142.7°F

Melting Point: -63°C

≥99.8%

DOT Class 6.1

Cat. No.	Packaging	Quantity
C298500	Glass Bottle	500mL
C298-4	Glass Bottle	4L
C298SK-4	Glass Bottle	4L
C298-20	Steel Pail	20L

### Cyclohexane

## Cyclohexane (Certified ACS), Fisher Chemical

Hexahydrobenzene

 $\text{C}_6\text{H}_{12}$ 

CAS: 110-82-7

F.W. 84.16

Density: 2.90 (Air = 1.0)

Boiling Point: 80.7°C

Melting Point: 6.5°C

≥99.0%

DOT Class 3

Cat. No.	Packaging	Quantity
C556-4	Glass Bottle	4L

## Cyclohexane (Pesticide), Fisher Chemical

Hexahydrobenzene

 $\text{C}_6\text{H}_{12}$ 

CAS: 110-82-7

F.W. 84.16

Density: 2.90 (Air = 1.0)

Boiling Point: 80.7°C

Melting Point: 6.5°C

DOT Class 3

Cat. No.	Packaging	Quantity
C553-4	Amber Glass	4L

## Cyclohexane (Spectranalyzed™), Fisher Chemical

Hexahydrobenzene

 $\text{C}_6\text{H}_{12}$ 

CAS: 110-82-7

F.W. 84.16

Density: 2.90 (Air = 1.0)

Boiling Point: 80.7°C

Melting Point: 6.5°C

≥99.0%

DOT Class 3

Cat. No.	Packaging	Quantity
C555-1	Amber Glass	1L

### Cyclohexanone

## Cyclohexanone (Laboratory), Fisher Chemical

Ketoexamethylene; Pimelic Ketone

 $\text{C}_6\text{H}_{10}\text{O}$ 

CAS: 108-94-1

F.W. 98.14

Density: 0.95g/mL

Boiling Point: 155°C

Melting Point: -47°C

DOT Class 3

Cat. No.	Packaging	Quantity
C550-4	Glass Bottle	4L

### Dichloroethane [1 2-]

## 1,2-Dichloroethane (Certified ACS), Fisher Chemical

Ethylene Dichloride; Ethylene Chloride

 $\text{C}_2\text{H}_4\text{Cl}_2$ 

CAS: 107-06-2

F.W. 98.96

Density: 3.4 (Air = 1.0)

Boiling Point: 81° to 85°C/177.8° to 185°F

Melting Point: -35°C

≥99%

DOT Class 3

Cat. No.	Packaging	Quantity
E175-500	Glass Bottle	500mL
E175-4	Glass Bottle	4L

### Dimethyl Sulfoxide

## Dimethyl Sulfoxide (Certified ACS), Fisher Chemical

Methyl Sulfoxide; DMSO

 $\text{C}_2\text{H}_6\text{OS}$ 

CAS: 67-68-5

F.W. 78.13

Density: 2.7 (Air = 1.0)

Boiling Point: 189°C

Melting Point: 18.4°C

≥99.9%

Cat. No.	Packaging	Quantity
D128-500	Glass Bottle	500mL
D128-1	Glass Bottle	1L
D128-4	Glass Bottle	4L

## Dimethyl Sulfoxide (HPLC Grade), Fisher Chemical

Methyl Sulfoxide; DMSO

 $\text{C}_2\text{H}_6\text{OS}$ 

CAS: 67-68-5

F.W. 78.13

Density: 2.7 (Air = 1.0)

Boiling Point: 189°C

Melting Point: 18.4°C

99.8% min by GC

Cat. No.	Packaging	Quantity
D159-4	Amber Glass	4L

## Dimethylformamide [N N-]

## N,N-Dimethylformamide (Certified ACS), Fisher Chemical

DMF  
C<sub>3</sub>H<sub>7</sub>NO  
CAS: 68-12-2      F.W. 73.09      Density: 2.5 (Air = 1.0)  
Boiling Point: 153°C      Melting Point: -61°C  
≥99.8 %  
DOT Class 3

Cat. No.	Packaging	Quantity
D119-500	Glass Bottle	500mL
D119-1	Glass Bottle	1L
D119-4	Glass Bottle	4L

## Ethanol

## Alcohol (HPLC), Fisher Chemical

Ethanol; Ethyl Alcohol; Denatured Alcohol  
CH<sub>3</sub>CH<sub>2</sub>OH  
CAS: 67-56-1; 64-17-5; 67-63-0      Density: 1.24      Boiling Point: 78.50°C  
Melting Point: -114.11°C  
99.8% min by GC  
DOT Class 3

Cat. No.	Packaging	Quantity
A995-4	Glass Bottle	4L

## Ethanol, Anhydrous (Histological), Fisher Chemical

Ethyl Alcohol Denatured; Ethanol, Denatured  
CAS: 64-17-5; 108-10-1; 141-78-6; 67-56-1; 108-88-3      Density: 0.79g/mL  
Boiling Point: 77.11°C  
DOT Class 3

Cat. No.	Packaging	Quantity
A405P-4	Poly Bottle	4L
A405-20	Lined Steel Drum	20L

## Ethyl Alcohol Denatured (Proprietary Solvent), Fisher Chemical

Ethanol, Denatured  
CAS: 64-17-5  
DOT Class 3

Cat. No.	Packaging	Quantity
A407-4	Glass Bottle	4L

## Ether - Diethyl Ether

## Ethyl Ether (Pesticide), Fisher Chemical

Ethyl Oxide; Diethyl Ether  
C<sub>4</sub>H<sub>10</sub>O  
CAS: 60-29-7; 64-17-5      F.W. 74.12      Density: 2.55 (Air = 1.0)  
Boiling Point: 34.6°C      Melting Point: -116°C  
≥99.5 %  
DOT Class 3

Cat. No.	Packaging	Quantity
E199-4	Amber Glass	4L

## Ethyl Ether Anhydrous (BHT Stabilized/Certified ACS), Fisher Chemical

Ethyl Oxide; Diethyl Ether  
C<sub>4</sub>H<sub>10</sub>O  
CAS: 60-29-7      F.W. 74.12      Density: 2.55 (Air = 1.0)  
Boiling Point: 34.6°C      Melting Point: -116.3°C  
≥99 %  
DOT Class 3

Cat. No.	Packaging	Quantity
E138-500	Aluminum Can	500mL
E1381	Aluminum Can	1L
E138-4	Aluminum Can	4L
E138-20	Steel Pail	20L

## Ethyl Ether Anhydrous (Stabilized/HPLC), Fisher Chemical

Diethyl Ether; Ethyl Oxide  
C<sub>4</sub>H<sub>10</sub>O  
CAS: 60-29-7; 64-17-5      F.W. 74.12      Density: 2.55 (Air = 1.0)  
Boiling Point: 34.6°C      Melting Point: -116°C  
99.0% min by GC  
DOT Class 3

Cat. No.	Packaging	Quantity
E198-4	Tin Can	4L

## Ethyl Acetate

## Ethyl Acetate (Certified ACS), Fisher Chemical

Acetic Acid Ethyl Ester  
C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>  
CAS: 141-78-6      F.W. 88.11      Density: 3.04 (Air = 1.0)  
Boiling Point: 75° to 78°C/167° to 171.5°F      Melting Point: -83°C  
≥99.5 %  
DOT Class 3

Cat. No.	Packaging	Quantity
E145-500	Glass Bottle	500mL
E145-1	Glass Bottle	1L
E145-4	Glass Bottle	4L
E145SK-4	Glass Bottle	4L
E14520	Steel Pail	20L

## Heptane [n-]

## Heptane (Certified), Fisher Chemical

C<sub>7</sub>H<sub>16</sub>  
CAS: 142-82-5; 28729-52-4; 26635-64-3; 108-87-2      F.W. 100.2  
Density: 3.5 (Air = 1.0)      Boiling Point: 98°C      Melting Point: -91°C  
DOT Class 3

Cat. No.	Packaging	Quantity
O3008-4	Glass Bottle	4L

## Heptane (HPLC), Fisher Chemical

$C_7H_{16}$   
**CAS:** 142-82-5; 28729-52-4; 26635-64-3; 108-87-2      **FW.** 100.2  
**Density:** 3.5 (Air = 1.0)      **Boiling Point:** 98°C      **Melting Point:** -91°C  
 96% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
H3501	Glass Bottle	1L
H303-4	Glass Bottle	4L

### Heptane [n-] (Application Specific)

## Heptane (HPLC), Fisher Chemical

$C_7H_{16}$   
**CAS:** 142-82-5; 28729-52-4; 26635-64-3; 108-87-2      **FW.** 100.2  
**Density:** 3.5 (Air = 1.0)      **Boiling Point:** 98°C      **Melting Point:** -91°C  
 96% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
H3501	Glass Bottle	1L
H303-4	Glass Bottle	4L

### Hexane [n-]

## n-Hexane, 95% (Optima™), Fisher Chemical

$C_6H_{14}$   
**CAS:** 110-54-3 (n-Hexane, 95%); 107-83-5 (2-Methylpentane, 2.3%);  
 96-14-0 (3-Methylpentane, 1.0%)      **FW.** 86.17  
 95%  
 DOT Class 3

Cat. No.	Packaging	Quantity
H303-4	Glass Bottle	4L

### Hexanes - Analytical

## Hexanes (Certified ACS), Fisher Chemical

$C_6H_{14}$   
**CAS:** 110-54-3      **FW.** 86.18      **Density:** 0.68g/mL  
**Boiling Point:** 65.5° to 68.3°C/150° to 155°F      **Melting Point:** -95°C  
 ≥98.5%  
 DOT Class 3

Cat. No.	Packaging	Quantity
H292-500	Glass Bottle	500mL
H292-4	Glass Bottle	4L
H292-20	Steel Pail	20L

### Hexanes - Application Specific

## Hexanes (HPLC), Fisher Chemical

$C_6H_{14}$   
**CAS:** 110-54-3      **FW.** 86.18      **Density:** 2.97 (Air = 1.0)  
**Boiling Point:** 62° to 69°C      **Melting Point:** -95°C  
 98.5% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
H302-1	Glass Bottle	1L
H302-4	Glass Bottle	4L

## Hexanes (Optima™), Fisher Chemical

$C_6H_{14}$   
**CAS:** 110-54-3      **FW.** 86.18      **Density:** 2.97 (Air = 1.0)  
**Boiling Point:** 62° to 69°C      **Melting Point:** -95°C  
 99.9% min by GC  
 DOT Class 3

Cat. No.	Packaging	Quantity
H303-1	Glass Bottle	1L

## Hexanes (Pesticide), Fisher Chemical

$C_6H_{14}$   
**CAS:** 110-54-3      **FW.** 86.18      **Density:** 2.97 (Air = 1.0)  
**Boiling Point:** 62° to 69°C      **Melting Point:** -95°C  
 DOT Class 3

Cat. No.	Packaging	Quantity
H300-4	Glass Bottle	4L

### Isooctane

## Isooctane (HPLC), Fisher Chemical

2,2,4-Trimethylpentane  
 $C_8H_{18}$   
**CAS:** 540-84-1      **FW.** 114.23      **Density:** 3.94 (Air = 1.0)  
**Boiling Point:** 98° to 99°C      **Melting Point:** -107°C  
 ≥99%  
 DOT Class 3

Cat. No.	Packaging	Quantity
0296-1	Glass Bottle	1L
0296-4	Glass Bottle	4L

## Isooctane (Pesticide), Fisher Chemical

2,2,4-Trimethylpentane  
 $C_8H_{18}$   
**CAS:** 540-84-1      **FW.** 114.23      **Density:** 3.94 (Air = 1.0)  
**Boiling Point:** 98° to 99°C      **Melting Point:** -107°C  
 DOT Class 3

Cat. No.	Packaging	Quantity
0297-4	Glass Bottle	4L

## Isooctane (Spectranalyzed™), Fisher Chemical

2,2,4-Trimethylpentane; Isobutyltrimethylmethane  
 $C_8H_{18}$   
**CAS:** 540-84-1      **FW.** 114.23      **Density:** 3.94 (Air = 1.0)  
**Boiling Point:** 98° to 99°C      **Melting Point:** -107°C  
 ≥99%  
 DOT Class 3

Cat. No.	Packaging	Quantity
0300-1	Glass Bottle	1L

## Isopropanol - IPA

## 2-Propanol (Certified ACS Plus), Fisher Chemical

Isopropanol; Isopropyl Alcohol  
C<sub>3</sub>H<sub>8</sub>O

CAS: 67-63-0

Boiling Point: 82°C

≥99.5 %

DOT Class 3

F.W. 60.1

Melting Point: -88°C

Density: 2.1 (Air = 1.0)

Cat. No.	Packaging	Quantity
A416-500	Glass Bottle	500mL
A416-4	Glass Bottle	4L
A416P-4	Poly Bottle	4L
A416-20	Steel Pail	20L
A416-200	Steel Drum	200L

## 2-Propanol (HPLC), Fisher Chemical

Isopropanol; Isopropyl Alcohol; IPA  
C<sub>3</sub>H<sub>8</sub>O

CAS: 67-63-0

Boiling Point: 82°C

99.9% min by GC

DOT Class 3

F.W. 60.1

Melting Point: -88°C

Density: 2.1 (Air = 1.0)

Cat. No.	Packaging	Quantity
A451-1	Glass Bottle	1L
A451-4	Glass Bottle	4L

## 2-Propanol (Low Water), Fisher Chemical

Isopropanol; Isopropyl Alcohol  
C<sub>3</sub>H<sub>8</sub>O

CAS: 67-63-0

Boiling Point: 82°C

≥99.5 %

DOT Class 3

F.W. 60.1

Melting Point: -88°C

Density: 2.1 (Air = 1.0)

Cat. No.	Packaging	Quantity
A520-4	Glass Bottle	4L

## 2-Propanol (Optima™), Fisher Chemical

Isopropanol; Isopropyl Alcohol; IPA  
C<sub>3</sub>H<sub>8</sub>O

CAS: 67-63-0

Boiling Point: 64.7°C

99.9% min by GC

DOT Class 3

F.W. 32.04

Melting Point: -98°C

Density: 2.1 (Air = 1.0)

Cat. No.	Packaging	Quantity
A464-1	Glass Bottle	1L
A464-4	Glass Bottle	4L
A464SK-4	Glass Bottle	4L

## IPA (Isopropyl Alcohol), 70% v/v, Fisher Chemical

C<sub>3</sub>H<sub>8</sub>O

CAS: 7732-18-5; 67-63-0

Boiling Point: 82°C

68.0 to 72.0 %

F.W. 60.1

Melting Point: -88°C

Density: 2.1 (Air = 1.0)

Cat. No.	Packaging	Quantity
A459-500	Poly Bottle	500mL
A459-1	Poly Bottle	1L
A459-4	Poly Bottle	4L
A459-20	PolyPac™	20L

## Isopropanol, 99.9% (HPLC Grade), Fisher BioReagents™

2-Propanol; Isopropyl Alcohol

C<sub>3</sub>H<sub>8</sub>O

CAS: 67-63-0

Boiling Point: 81° to 83°C

DOT Class 3

F.W. 60.10

Melting Point: -89.5°C

Density: 0.785g/mL

Cat. No.	Packaging	Quantity
BP26324	Amber Glass, EcoSafPak™	4L

## Methanol

## Methanol (Certified ACS), Fisher Chemical

Methyl Alcohol  
CH<sub>3</sub>O

CAS: 67-56-1

Boiling Point: 64.7°C

≥99.8 %

DOT Class 3

F.W. 32.04

Melting Point: -98°C

Density: 1.11 (Air = 1.0)

Cat. No.	Packaging	Quantity
A412-4	Glass Bottle	4L
A412P-4	Poly Bottle	4L
A434-20	Lined Steel Drum	20L
A412-200	Steel Drum	200L

## Methanol (GC Resolv™), Fisher Chemical

Methyl Alcohol  
CH<sub>3</sub>O

CAS: 67-56-1

Boiling Point: 64.7°C

≥99.9 %

DOT Class 3

F.W. 32.04

Melting Point: -98°C

Density: 1.11 (Air = 1.0)

Cat. No.	Packaging	Quantity
A457-4	Amber Glass	4L



## Methanol (HPLC), Fisher Chemical

MeOH; Methyl Alcohol

 $\text{CH}_3\text{O}$ 

CAS: 67-56-1

F.W. 32.04

Density: 1.11 (Air = 1.0)

Boiling Point: 64.7°C

Melting Point: -98°C

99.9% min by GC

DOT Class 3

Cat. No.	Packaging	Quantity
A452-1	Glass Bottle	1L
A452SK-1	Glass Bottle, SafeCote	1L
A452-4	Glass Bottle	4L
A452-SK4	Glass Bottle, SafeCote	4L

## Methanol (Low Water), Fisher Chemical

Methyl Alcohol

 $\text{CH}_3\text{O}$ 

CAS: 67-56-1

F.W. 32.04

Density: 1.11 (Air = 1.0)

Boiling Point: 64.7°C

Melting Point: -98°C

≥99.8%

DOT Class 3

Cat. No.	Packaging	Quantity
A935-4	Glass Bottle	4L

## Methanol (Optima™ LC/MS), Fisher Chemical

MeOH; Methyl Alcohol

 $\text{CH}_3\text{O}$ 

CAS: 67-56-1

F.W. 32.04

Density: 1.11 (Air = 1.0)

Boiling Point: 64.7°C

Melting Point: -98°C

99.9% min by GC

DOT Class 3

Cat. No.	Packaging	Quantity
A456-500	Amber Glass	500mL
A456-1	Glass Bottle	1L
A456-212	Amber Glass	2.5L
A456-4	Glass Bottle	4L

## Methanol (Optima™), Fisher Chemical

MeOH; Methyl Alcohol

 $\text{CH}_3\text{O}$ 

CAS: 67-56-1

F.W. 32.04

Density: 1.11 (Air = 1.0)

Boiling Point: 64.7°C

Melting Point: -98°C

99.9% min by GC

DOT Class 3

Cat. No.	Packaging	Quantity
A454-1	Glass Bottle	1L
A454-4	Glass Bottle	4L
A454SK-4	Glass Bottle	4L

## Methanol (Spectranalyzed™), Fisher Chemical

Methyl Alcohol; Methyl Hydrate

 $\text{CH}_3\text{O}$ 

CAS: 67-56-1

F.W. 32.04

Density: 1.11 (Air = 1.0)

Boiling Point: 64.7°C

Melting Point: -98°C

≥99.8%

DOT Class 3

Cat. No.	Packaging	Quantity
A408-4	Glass Bottle	4L

## Methyl Isobutyl Ketone

## Methyl iso-Butyl Ketone (Certified ACS), Fisher Chemical

Hexone; Isobutyl Methyl Ketone; Isopropylacetone; 4-Methyl-2-Pentanone

 $\text{C}_6\text{H}_{12}\text{O}$ 

CAS: 108-10-1

F.W. 100.16

Density: 3.45 (Air = 1.0)

Boiling Point: 117°C

Melting Point: -84°C

≥98.5%

DOT Class 3

Cat. No.	Packaging	Quantity
M213-1	Glass Bottle	1L
M213-4	Glass Bottle	4L

## Methylene Chloride

## Methylene Chloride (Optima™), Fisher Chemical

Dichloromethane; DCM

 $\text{CH}_2\text{Cl}_2$ 

CAS: 75-09-2

F.W. 84.93

Density: 2.93 (Air = 1.0)

Boiling Point: 40°C

Melting Point: -97°C

99.9% min by GC

DOT Class 6.1

Cat. No.	Packaging	Quantity
D1511	Glass Bottle	1L
D151-4	Glass Bottle	4L

## Methylene Chloride (Pesticide), Fisher Chemical

Dichloromethane; DCM

 $\text{CH}_2\text{Cl}_2$ 

CAS: 75-09-2

F.W. 84.93

Density: 2.93 (Air = 1.0)

Boiling Point: 40°C

Melting Point: -97°C

DOT Class 6.1

Cat. No.	Packaging	Quantity
D142-4	Glass Bottle	4L

## Methylene Chloride (Stabilized/Certified ACS), Fisher Chemical

Dichloromethane; DCM

 $\text{CH}_2\text{Cl}_2$ 

CAS: 75-09-2

F.W. 84.93

Density: 2.93 (Air = 1.0)

Boiling Point: 40°C

Melting Point: -97°C

≥99.5%

DOT Class 6.1

Cat. No.	Packaging	Quantity
D37-500	Glass Bottle	500mL
D37-1	Glass Bottle	1L
D37-4	Glass Bottle	4L
D37-SK4	Glass Bottle	4L
D37-20	Steel Pail	20L

## Methylene Chloride (Stabilized/HPLC), Fisher Chemical

Dichloromethane; DCM  
CH<sub>2</sub>Cl<sub>2</sub>

CAS: 75-09-2

Boiling Point: 40°C

99.9% min by GC

DOT Class 6.1

F.W. 84.93

Melting Point: -97°C

Density: 2.93 (Air = 1.0)

Cat. No.	Packaging	Quantity
D143-4	Glass Bottle	4L

### Pentane [n-]

## Pentane (Certified), Fisher Chemical

C<sub>5</sub>H<sub>12</sub>

CAS: 109-66-0

Boiling Point: 36°C

≥98 %

DOT Class 3

F.W. 72.15

Melting Point: -130°C

Density: 2.5 (Air = 1.0)

Cat. No.	Packaging	Quantity
04062-4	Glass Bottle	4L
04062-20	Steel Pail	20L

## Pentane (HPLC), Fisher Chemical

C<sub>5</sub>H<sub>12</sub>

CAS: 109-66-0

Boiling Point: 36°C

99% min by GC

DOT Class 3

F.W. 72.15

Melting Point: -130°C

Density: 2.5 (Air = 1.0)

Cat. No.	Packaging	Quantity
P399-1	Amber Glass	1L
P399-4	Amber Glass	4L

### Petroleum Ether

## Petroleum Ether (Certified ACS), Fisher Chemical

Ligroine, B.P. 35° to 60°C; Benzine

CAS: 8032-32-4

Melting Point: -40°C

DOT Class 3

Density: 0.66g/mL

Boiling Point: 38°C

Cat. No.	Packaging	Quantity
E139-4	Glass Bottle	4L
E139SK-4	Glass Bottle	4L
E139-20	Steel Pail	20L

## Petroleum Ether (Optima™), Fisher Chemical

Ligroine, B.P. 35° to 60°C; Benzine

CAS: 8032-32-4

DOT Class 3

Boiling Point: 38°C

Cat. No.	Packaging	Quantity
E120-4	Glass Bottle	4L

## Petroleum Ether (Pesticide), Fisher Chemical

Ligroine, B.P. 35° to 60°C; Benzine

CAS: 8032-32-4

DOT Class 3

Boiling Point: 38°C

Cat. No.	Packaging	Quantity
P480-4	Glass Bottle	4L

### Tetrahydrofuran

## Tetrahydrofuran (HPLC), Fisher Chemical

THF

C<sub>4</sub>H<sub>8</sub>O

CAS: 109-99-9

Boiling Point: 66°C

99.9% min by GC

DOT Class 3

F.W. 72.11

Melting Point: -108.5°C

Density: 2.5 (Air = 1.0)

Cat. No.	Packaging	Quantity
T425-1	Glass Bottle	1L
T425-4	Glass Bottle	4L

## Tetrahydrofuran (Optima™), Fisher Chemical

THF; Diethylene Oxide

C<sub>4</sub>H<sub>8</sub>O

CAS: 109-99-9

Boiling Point: 66°C

99.9% min by GC

DOT Class 3

F.W. 72.11

Melting Point: -108.5°C

Density: 2.5 (Air = 1.0)

Cat. No.	Packaging	Quantity
T427-1	Glass Bottle	1L
T427-4	Glass Bottle	4L

### Toluene

## Toluene (Certified ACS), Fisher Chemical

Methylbenzene; Toluol; Phenyl Methane

C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub>

CAS: 108-88-3

Boiling Point: 110.6°C

≥99.5 %

DOT Class 3

F.W. 92.14

Melting Point: -95°C

Density: 3.1 (Air = 1.0)

Cat. No.	Packaging	Quantity
T324-4	Glass Bottle	4L
T324-20	Steel Pail	20L

## Toluene (HPLC), Fisher Chemical

PhMe; PhCH<sub>3</sub>; Methylbenzene; Phenyl Methane

C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub>

CAS: 108-88-3

Boiling Point: 110.6°C

99.8% min by GC

DOT Class 3

F.W. 92.14

Melting Point: -95°C

Density: 3.1 (Air = 1.0)

Cat. No.	Packaging	Quantity
T290-1	Glass Bottle	1L
T290-4	Glass Bottle	4L

## Toluene (Laboratory), Fisher Chemical

Methylbenzene; Toluol

 $C_6H_5CH_3$ 
**CAS:** 108-88-3

**FW:** 92.14

**Density:** 3.1 (Air = 1.0)

**Boiling Point:** 110.6°C

**Melting Point:** -95°C

DOT Class 3

Cat. No.	Packaging	Quantity
T323-4	Glass Bottle	4L

## Toluene (Optima™), Fisher Chemical

Methylbenzene; Toluol; Phenyl Methane

 $C_6H_5CH_3$ 
**CAS:** 108-88-3

**FW:** 92.14

**Density:** 3.1 (Air = 1.0)

**Boiling Point:** 110.6°C

**Melting Point:** -95°C

≥99.8%

DOT Class 3

Cat. No.	Packaging	Quantity
T2914	Amber Glass	4L

### Xylenes

## Xylenes (Certified ACS), Fisher Chemical

Xylol, Dimethylbenzene

 $C_6H_{10}$ 
**CAS:** 1330-20-7; 100-41-4

**FW:** 106.17

**Density:** 3.66 (Air = 1.0)

**Boiling Point:** 136° to 140°C/276.8° to 284°F

**Melting Point:** -34°C

≥98.5%

DOT Class 3

Cat. No.	Packaging	Quantity
X5-1	Glass Bottle	1L
X5-4	Glass Bottle	4L

### Water

#### Analytical Water - High Purity Grade

## Water (Optima™), Fisher Chemical

 $H_2O$ 
**CAS:** 7732-18-5

**FW:** 18.02

**Density:** 1g/mL

**Boiling Point:** 100°C

**Melting Point:** 0°C

Cat. No.	Packaging	Quantity
W7-4	Glass Bottle	4L

#### Analytical Water - Laboratory Grade

## Water, DIUF, Fisher Chemical

Deionized ultra-filtered water

 $H_2O$ 
**CAS:** 7732-18-5

**FW:** 18.02

**Density:** 1g/mL

**Boiling Point:** 100°C

**Melting Point:** 0°C

Cat. No.	Packaging	Quantity
W2-4	Poly Bottle	4L
W2-20	PolyPac™	20L

#### Chromatography Water - HPLC grade

## Water (HPLC), Fisher Chemical

 $H_2O$ 
**CAS:** 7732-18-5

**FW:** 18.02

**Density:** 1g/mL

**Boiling Point:** 100°C

**Melting Point:** 0°C

Cat. No.	Packaging	Quantity
W5-4	Glass Bottle	4L
W5SK-4	Glass Bottle	4L

#### Chromatography Water - MS grade

## Water (Optima™ LC/MS), Fisher Chemical

 $H_2O$ 
**CAS:** 7732-18-5

**FW:** 18.02

**Density:** 1g/mL

**Boiling Point:** 100°C

**Melting Point:** 0°C

Cat. No.	Packaging	Quantity
W6-4	Glass Bottle	4L

#### Life Science Water - Molecular Biology Grade

## Water, DNA Grade, DNASE, Protease free, Fisher BioReagents

**CAS:** 7732-18-5

**FW:** 18.02

Cat. No.	Packaging	Quantity
BP24701	Nalgene Poly Bottle	1L

## Water, Sterile (DNASE, RNASE free), Fisher BioReagents

**CAS:** 7732-18-5

**FW:** 18.02

Cat. No.	Packaging	Quantity
BP2484-100	Poly Bottle	100mL

## Water, Sterile (For RNA Work) (DEPC-Treated, DNASE, RNASE free/Mol. Biol.), Fisher BioReagents™

**CAS:** 7732-18-5

**FW:** 18.02

Cat. No.	Packaging	Quantity
BP5611	Nalgene Poly Bottle	1L

#### Water Testing Solutions and Reagents

## Silver Nitrate Solution (1 mL=0.5mg Cl/ Certified APHA), Fisher Chemical

Nitric Acid Silver (1+) Salt

**CAS:** 7761-88-8; 7732-18-5

**Density:** 1g/mL

DOT Class 5.1

Cat. No.	Packaging	Quantity
SS82-1	Glass Bottle	1L

## Conversion Tables

Find the unit of measurement from which you want to convert under the column "Unit." Move across the line until you reach the column under the unit to which you want to convert. Multiply your existing measurement by the listed factor to obtain the conversion. (E.g., Suppose you want to convert 5 sq. in. into sq. cm. Find "sq. in." under the "Unit" column in the Area table below. Move across this line until you come to the column under "sq. cm." Multiply 5 sq. in. by 6.452 to get 32.260 sq. cm.)

### Area

Unit	Sq. In.	Sq. Ft.	Sq. Yd.	Sq. cm	Sq. m
Sq. In.	1	0.006944	0.0007716	6.452	0.000645
Sq. Ft.	144	1	0.1111	929	0.0929
Sq. Yd.	1296	9	1	8361	0.8361
Sq. cm	0.155	0.001076	0.0001196	1	0.0001
Sq. m	1550	10.76	1.196	10,000	1

### Force

Unit	Dyne	Lb.	Newton
Dyne	1	$2.248 \times 10^{-6}$	$10^{-5}$
Lb.	444,823	1	4.448
Newton	100,000	0.2248	1

### Heat

1 cal./g•°C = 1 BTU/lb. •°F = 4.184 joule/g•°C = 4184 joule/kg•°C  
 1 cal./g = 1 BTU/lb. = 4.184 joule/g = 4184 joule/kg

### Length

Unit	In.	Ft.	Yd.	Mile (Statute)	cm	m	km
In.	1	0.0833	0.02778	$1.578 \times 10^{-5}$	2.54	0.0254	$2.54 \times 10^{-5}$
Ft.	12	1	0.333	$1.894 \times 10^{-4}$	30.48	0.3048	$3.048 \times 10^{-4}$
Yd.	36	3	1	$5.682 \times 10^{-4}$	91.44	0.9144	$9.144 \times 10^{-4}$
Mile (Statute)	63,360	5280	1760	1	160,900	1609	1.609
cm	0.3937	0.03281	0.01094	$6.214 \times 10^{-6}$	1	0.01	$10^{-5}$
m	39.37	3.281	1.094	$6.214 \times 10^{-4}$	100	1	$10^{-3}$
km	39,370	3281	1094	0.6214	100,000	1000	1

1 angstrom (Å) =  $10^{-10}$ m =  $10^{-5}$ cm =  $10^{-4}$ μm

1 fermi = 1 femtometer (fm) =  $10^{-15}$ m =  $10^{-13}$ cm =  $10^{-6}$ μm

1 light-year =  $5.9 \times 10^{12}$  miles (statute) =  $9.46 \times 10^{12}$ km

1 micron (μm or μ) =  $10^{-6}$ m =  $10^{-4}$ cm =  $10^{-3}$ mm

### Liquid Measures

(All drams, ounces, and gallons are U.S. liquid except where indicated.)

Unit	Dram	Oz.	Qt.	Gal.	Cu. In.	Cu. Ft.	mL	L	Cu. cm	Cu. m
Dram	1	0.125	0.00391	$9.766 \times 10^{-4}$	0.2256	$1.3055 \times 10^{-4}$	3.6967	0.0036967	3.6967	----
Oz.	8	1	0.03125	$7.813 \times 10^{-3}$	1.805	$1.0444 \times 10^{-3}$	29.5735	0.02957	29.5735	----
Qt.	256	32	1	0.25	57.75	0.03342	946.4	0.9464	946.4	$9.464 \times 10^{-4}$
Gal.	1024	128	4	1	231	0.1337	3785	3.785	3785	$3.785 \times 10^{-3}$
Cu. In.	4.4329	0.5541	0.01732	$4.329 \times 10^{-3}$	1	$5.787 \times 10^{-4}$	16.39	0.01639	16.39	$1.639 \times 10^{-5}$
Cu. Ft.	7660.05	957.51	29.92	7.48052	1728	1	28,316.9	28.32	28,316.9	$2.832 \times 10^{-2}$
mL	0.2705	0.0338	0.001057	$2.642 \times 10^{-4}$	0.06103	$3.532 \times 10^{-5}$	1	0.001	1	$10^{-6}$
L	270.512	33.814	1.057	0.2642	61.024	0.03531	1000	1	1000	$10^{-3}$
Cu. cm	0.2705	0.0338	0.001057	$2.642 \times 10^{-4}$	0.06103	$3.532 \times 10^{-5}$	1	0.001	1	$10^{-6}$
Cu. m	----	----	1057	264.2	61,023.7	35.31	$10^6$	1000	$10^6$	1

1 gal. U.K. = 1.20095 gal. U.S.

1 gal. U.S. = 0.832675 gal. U.K.

1 lb. of water = 27.68 cu. in. = 0.01602 cu. ft. = 0.1198 gal.

### Inch Equivalents

Fraction (inches)	Decimal (inches)	Millimeters
$\frac{1}{64}$	0.015625	0.3969
$\frac{1}{32}$	0.03125	0.7938
$\frac{1}{16}$	0.0625	1.5875
$\frac{1}{8}$	0.125	3.175
$\frac{3}{16}$	0.1875	4.7625

Fraction (inches)	Decimal (inches)	Millimeters
$\frac{1}{4}$	0.25	6.35
$\frac{5}{16}$	0.3125	7.9375
$\frac{3}{8}$	0.375	9.525
$\frac{7}{16}$	0.4375	11.1125

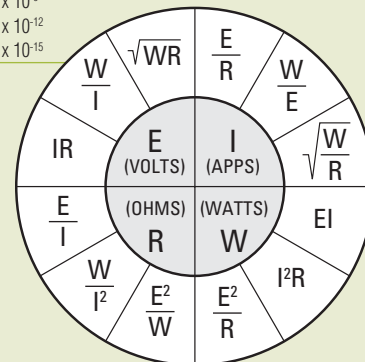
Fraction (inches)	Decimal (inches)	Millimeters
$\frac{1}{2}$	0.50	12.70
$\frac{9}{16}$	0.5625	14.2875
$\frac{5}{8}$	0.625	15.875
$\frac{11}{16}$	0.6875	17.4625
$\frac{3}{4}$	0.75	19.05

Fraction (inches)	Decimal (inches)	Millimeters
$\frac{5}{16}$	0.8125	20.6375
$\frac{7}{8}$	0.875	22.225
$\frac{9}{8}$	0.9375	23.8125
1	1.0	25.40

## Metric Prefixes

Prefix	Abbreviation	Meaning
peta-	P	$\times 10^{15}$
tera-	T	$\times 10^{12}$
giga-	G	$\times 10^9$
mega-	M	$\times 10^6$
kilo-	k	$\times 10^3$
deci-	d	$\times 10^{-1}$
centi-	c	$\times 10^{-2}$
milli-	m	$\times 10^{-3}$
micro-	μ	$\times 10^{-6}$
nano-	n	$\times 10^{-9}$
pico-	p	$\times 10^{-12}$
femto-	f	$\times 10^{-15}$

## OHM'S LAW





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