



**iRISCOPE**  
iRISCOPE

## **User Guide**

# **Cabinet and Reprocessing Station**

**Version 1.7**



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## Revision History

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08/25/2008	1.0	Initial release
11/03/2008	1.1	Updated the document with Associate Card & Logout functionalities
	1.6	Updated the document with Biologic Test workflow
08/03/10	1.7	Updated for iRIScope 2.0 specifications
09/08/10	1.8	Updated FCC statement.

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# Important Notice

This user guide is considered a permanent part of the iRISCOPE™ system, and should remain with the iRISCOPE™ cabinet at all times.

The iRISCOPE™ cabinet must be professionally installed by authorized personnel from Mobile Aspects.

Changes or modifications not expressly approved by Mobile Aspects could void the user's authority to operate the iRISCOPE™ cabinet.

No user maintenance is required for the cabinet and it contains no user serviceable parts inside.

The information and specifications included in this publication were in effect at the time of approval for printing. Mobile Aspects reserves the right, however, to discontinue or change specifications or design at anytime without notice and without incurring any obligation whatever.

## Type Approvals

FCC ID: R4FIRISCOPE10 (iRIScope 1.0)

FCC ID: R4FIRISCOPE20 (iRIScope 2.0)

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

# General Safety Information

## Safety and Warning Symbols



Always refer to this guide for additional detailed information when you see the above safety symbol located on the cabinet.

The following Warning Messages will appear in this user guide to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure. The instruction given below should be followed at all times.



Prior to installation and maintenance always unplug iRISCOPE™ from the power outlet.



Unplug iRISCOPE™ from its power source prior to making any wiring changes.

# Environmental Conditions

Normal environmental conditions

This standard applies to equipment designed to be safe at least under the following conditions:

1. Indoor use
2. Altitude up to 2 000 m
3. Temperature 5 °C to 40 °C
4. Maximum relative humidity 80 % for temperatures up to 31 °C decreasing linearly to 50 %
5. Relative humidity at 40 °C;
6. MAINS supply voltage fluctuations up to +/-10 % of the nominal voltage;
7. Transient overvoltages typically present on the MAINS supply.

**Note: The normal level of transient overvoltages is impulse withstand (overvoltage) category II of IEC 60364-4-443.**

8. Applicable RATED POLLUTION degree 2.

# Maintenance and Cleaning

iRISCOPE™ does not require any electrical or mechanical maintenance. Should any issues occur, the cabinet should only be serviced by authorized personnel from Mobile Aspects. On a regular basis, the cabinet should be cleaned with a warm, damp cloth containing a mild liquid detergent. Avoid using abrasive cleaners and aromatic solvents, especially on the door glass since it may cause scratches.

# Electrical Rating

iRISCOPE™ requires a single 120V/60Hz AC grounded receptacle (Type 5-15R).

## **iRIScope 1.0**

Input voltage: 120-240V AC

Frequency: 50-60 Hz

Current Rating: 6A Max

Replace only with the following fuses: 5 x 20 mm, Time Delay, 250 V, 10 A

## **iRIScope 2.0**

Input voltage: 90-265V AC

Frequency: 47-63 Hz

Current Rating: 4A Max

Replace only with the following fuses: 5 x 20 mm, Time Delay, 250 V, 10 A

# About this Guide

## Overview

### Intended Audience

This guide is primarily intended for hospital staff who are responsible for handling scopes. Other users include support personnel in the hospital.

### Purpose of this Guide

This User Guide is designed to provide user-friendly, detailed instructions for performing day-to-day operational tasks associated with iRISCOPE™ cabinet and iRISCOPE™ reprocessing station. The objective of this guide is to explain the step-by-step procedures for all options in iRISCOPE™ and to communicate to the user, a certain level of understanding about iRISCOPE™.

### Before you Begin

Navigating through iRISCOPE™ is similar to many other touch screen applications. Prior to using iRISCOPE™ please be familiar with using a touch screen monitor.

This guide assumes that the end user

- Can use a touch screen monitor
- Can navigate through the touch screen programs

Prior knowledge of RFID technology can be beneficial.

## Document Structure

This guide is organized into the following chapters:

- 1 – Getting Started
- 2 – Understanding the User Interface of iRISCOPE™
- 3 – Cabinet
- 4 – Reprocessing Station
- 5 – Appendix
- 6 – Index

**Getting Started**, provides an introduction to iRISCOPE™ and explains the procedures for logging into iRISCOPE™ and exiting from iRISCOPE™.

**Understanding the User Interface of iRISCOPE™**, provides a visual introduction to iRISCOPE™.

**Cabinet**, explains the process of adding and removing scopes from the cabinet.

**Reprocessing Station**, explains the various activities for which the reprocessing station in iRISCOPE™ can be used. Included here are the step-by-step procedures





for receiving scopes, unloading/loading a washer, changing washer fluid, tagging new scopes and sending damaged scopes for repair.

**Appendix**, provides some additional information that you may use as reference.

**Index**, provides an index of terms used in this User Guide.

## Typographical Conventions

Prior to reading this guide or using iRISCOPE™, it is important to understand the typographical conventions used in this guide.

Typeface	Meaning
<b>Bold</b>	Field names, buttons on the screen, screen names and window names.
	<b>Note:</b> A note that calls attention or provides additional information to a topic.
	<b>Tip:</b> Indicates a suggestion or hint to make things easier or more productive for the end user.

## How to Reach Technical Support

The following section provides information on how to contact the technical support team.

In the U.S.A., you can reach the Mobile Aspects Technical Assistance Center (TAC) in the following ways:

Call our Technical Assistance Center on: (888) 221-7571

Email our Technical Assistance Center at: [help@mobileaspects.com](mailto:help@mobileaspects.com)

Fax our Technical Assistance Center on: (412) 325-1685

Regardless of how you reach us, please have the following information ready:

Support Contract ID Number

Serial Number of the Product

# 1 Getting Started

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This chapter, contains the following sections:

- Introduction to iRISCOPE™
- Logging into iRISCOPE™
- Exiting iRISCOPE™

## 1.1 Introduction to iRISCOPE™

Scopes are expensive and require proper care; they present certain challenges because they are difficult to handle and reprocess. iRISCOPE™ offers an unparalleled comprehensive solution for storing and reprocessing scopes. It is based on RFID (Radio Frequency Identification) technology and integrates other technologies to deliver significant benefits for health care professionals.

The iRISCOPE™ system is comprised of following components:

- Cabinet and a touch screen monitor attached to cabinet
- A touch screen monitor placed at the reprocessing station
- A web module

The cabinet provides a secure enclosure and thereby protects scopes from damage and environmental contaminants. The upper half of the cabinet contains lights for illumination and towards the bottom are the RFID antennas.

Scopes (affixed with sealed RFID tags) can be hung vertically in the cabinet. Hooks at the top of the cabinet hold the control-body of the scope; a vinyl rubber coating on the hook prevents marring of scopes and also resists the fluids used to cleanse scopes. Attached to the cabinet is a touch screen monitor that serves as a user interface for accessing iRISCOPE™ and partially controls the cabinet.

The touch screen monitor at the reprocessing station provides the most relevant options needed during reprocessing — loading washer, unloading washer, changing washer fluid, — and also provides options for tagging/retagging scopes and sending damaged scopes for repair.

The web module of iRISCOPE™ acts as an administrative tool and provides comprehensive reports that help you monitor the usage of scopes.

In addition to reliability in its class, other key features of the iRISCOPE™ system include automatic alerts sent to managers, and an emergency overriding system for providing timely access to a scope. Real-time inventory management and control over movements of scopes permit greater coordination and reduce the time involved in managing scopes. The iRISCOPE™ system is the right answer for storing and managing the reprocessing of scopes.

### **Benefits of iRISCOPE™**

#### **Automates Inventory Management**

- Automatically records movement of scopes across the cabinet
- Capable of recording details of scopes entering the reprocessing station
- Records details of scopes loaded into the washer and unloaded from the washer
- Identifies uncleaned scopes placed in the cabinet
- Provides a traceable record of cleaning

### Scope Movements are Timestamped

- Records the time and date for scope movement

### Correlates Scopes with Patients

- Identifies the patient on which scope is used

### Alerts Sent via email

- Alerts sent to managerial personnel for delay in repositioning scopes into cabinet
- Capable of sending the same alert to multiple recipients

### Reports

- Comprehensive reports for evaluating the usage of scopes

## 1.2 Logging into iRISCOPE™

You can login to iRISCOPE™ by entering a PIN on a virtual keyboard. A PIN is a set of numeric or alpha-numeric characters used for authenticating and identifying a user. The PIN is case sensitive.

### To log into the cabinet using PIN

1. View the **Splash** screen shown in the following illustration.



ILLUSTRATION 1: HOME SCREEN

2. Press the **iRIScope** title.

The login keypad is displayed as shown in the following illustration.

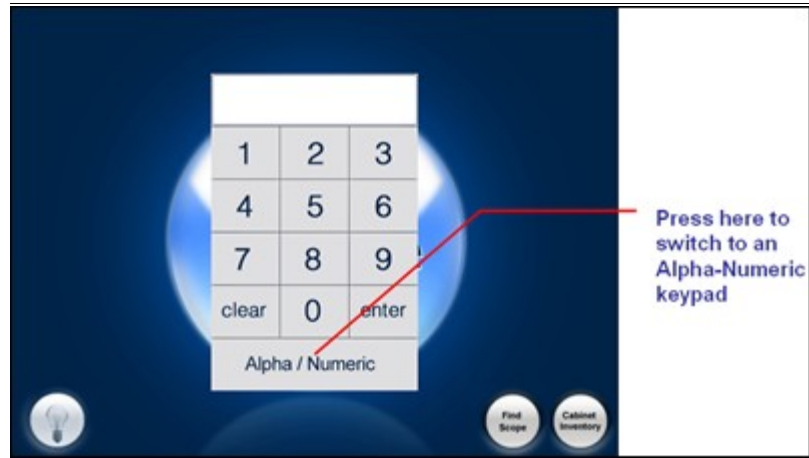


ILLUSTRATION 2: LOGIN KEYPAD

3. Using the login keypad, enter the PIN.
4. Press **enter**.  
You now have access to iRISCOPE™ cabinet.

#### To log into the reprocessing station

1. View the **Splash** screen on the reprocessing station.



ILLUSTRATION 3: HOME SCREEN

2. Press the **iRIScope** title.

The login keypad is displayed as shown in the following illustration.

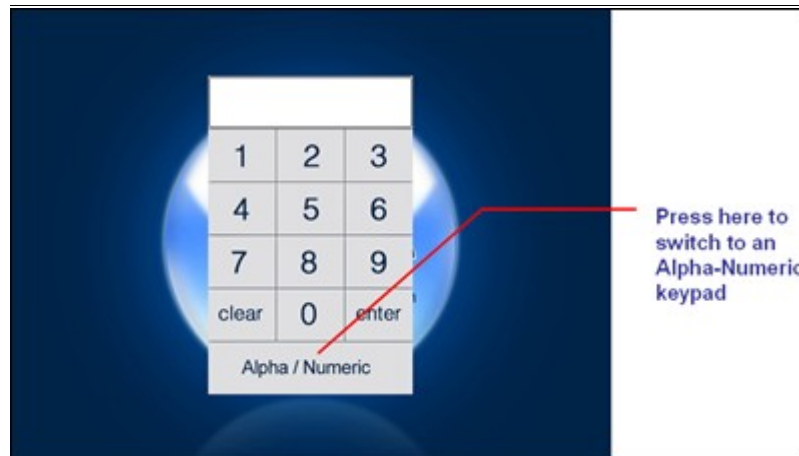


ILLUSTRATION 4: LOGIN KEYPAD

3. Using the login keypad, enter the PIN.

4. Press **enter**.

You now have access to iRISCOPE™ reprocessing station.

## 1.3 Exiting iRISCOPE™

To logout from cabinet

1. Navigate to the **Cabinet Main Screen** shown in the following illustration.

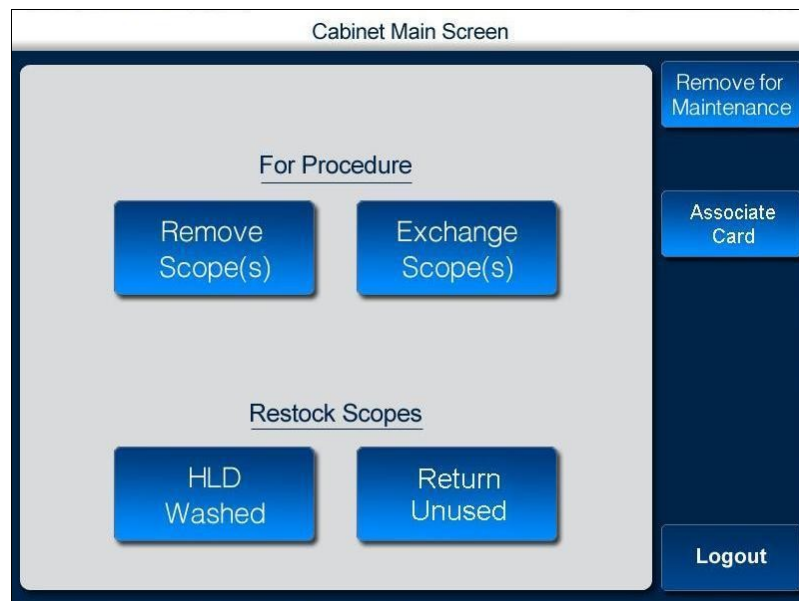


ILLUSTRATION 5: CABINET MAIN SCREEN

2. Press **Logout**.

### To logout from reprocessing station

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

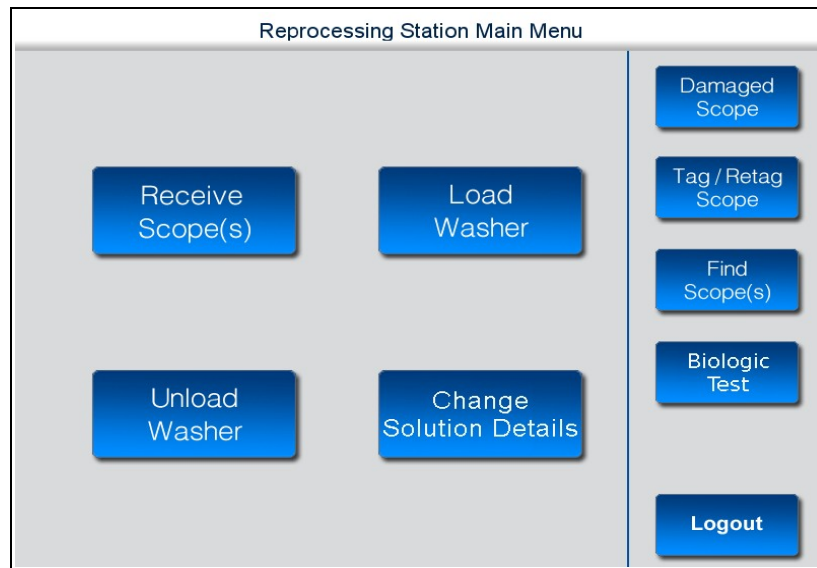


ILLUSTRATION 6: REPROCESSING STATION

2. Press **Logout**.



**Tip:**

The **Logout** button always appears at the lower right hand side of the screen.



## 2 Understanding the User Interface of iRISCOPE™

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To navigate successfully in iRISCOPE™, a proper understanding of the interface is essential. This chapter provides a quick visual introduction to the interface and some features of iRISCOPE™.

This chapter, contains the following sections:

- Cabinet
  - Splash Screen
  - Main Screen
  
- Reprocessing Station
  - Main Menu Screen

## 2.1 Cabinet

### 2.1.1 Splash Screen

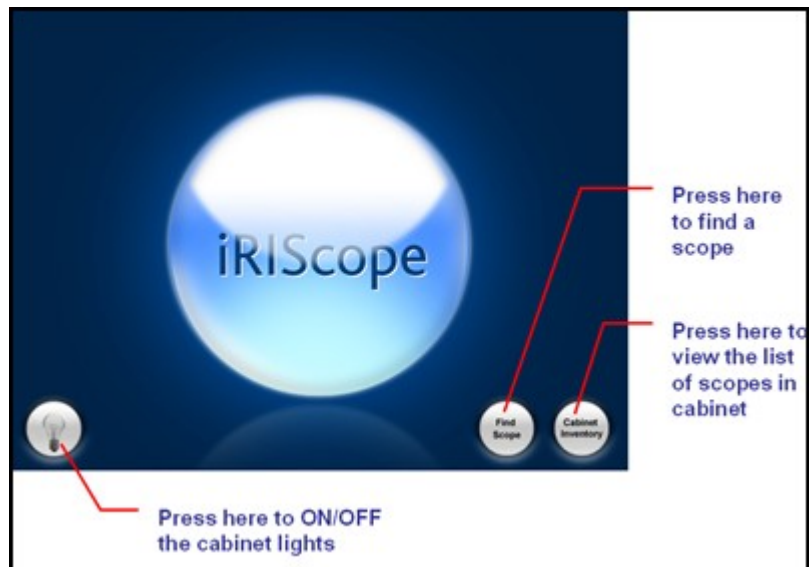


ILLUSTRATION 7: SPLASH SCREEN

The iRISCOPE™ system has the ability to differentiate between an uncleaned/disinfected scope and a cleaned scope.

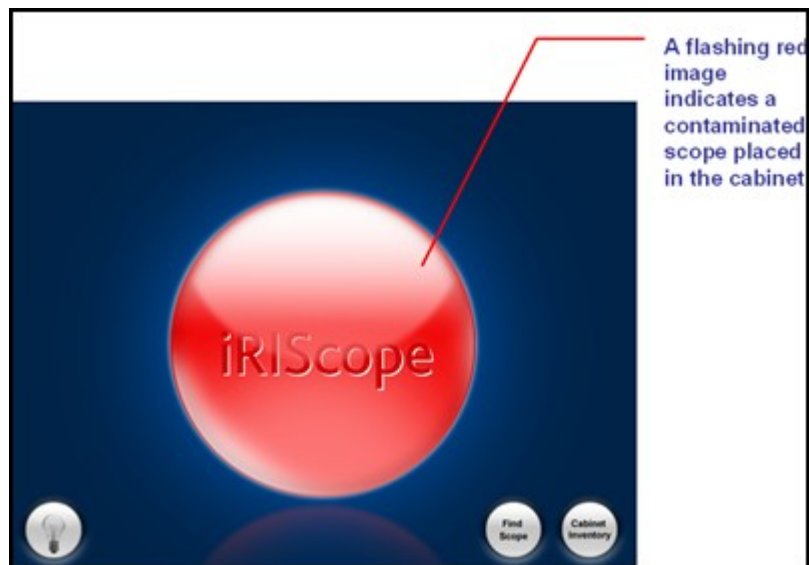
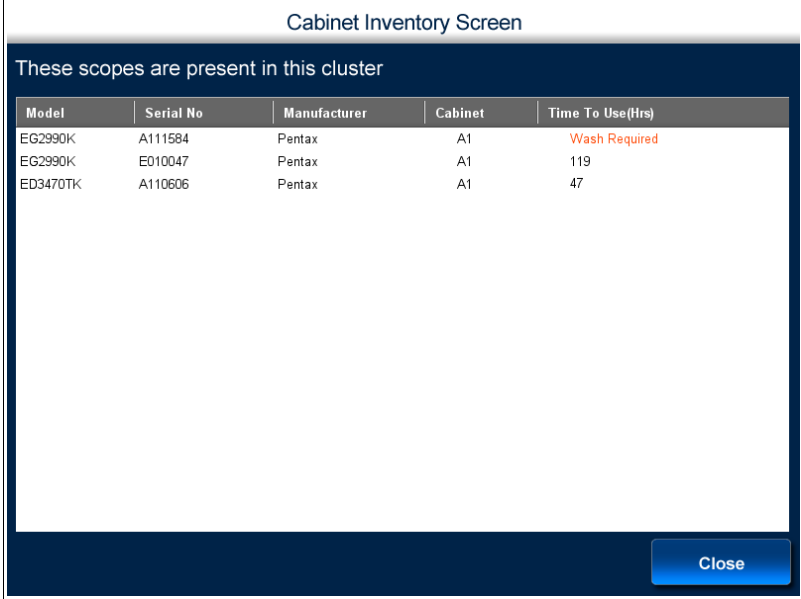


ILLUSTRATION 8: SPLASH SCREEN 2

## 2.1.2 Cabinet Inventory

The Cabinet Inventory screen shows the scope(s) present in the Cabinet currently. It is displayed as shown in the following illustration.



Cabinet Inventory Screen

These scopes are present in this cluster

Model	Serial No	Manufacturer	Cabinet	Time To Use(Hrs)
EG2990K	A111584	Pentax	A1	Wash Required
EG2990K	E010047	Pentax	A1	119
ED3470TK	A110606	Pentax	A1	47

Close

ILLUSTRATION 9: CABINET MAIN SCREEN

It also shows additional information such as :

Model No : Model no of the Scope

Serial No : Serial no of the Scope

Manufacturer : Manufacturer of the Scope

Cabinet : Location of the Scope in the Cabinet

Time To Use(Hrs) : Wash required time of the Scope after its placed in the Cabinet.

## 2.1.3 Find Scope

1. Find Scope is used to look for the Status/Location of the Scope. User can click on the Find Scope option on the splash screen to find its location at any Cluster.

It is displayed as shown in the following illustration.

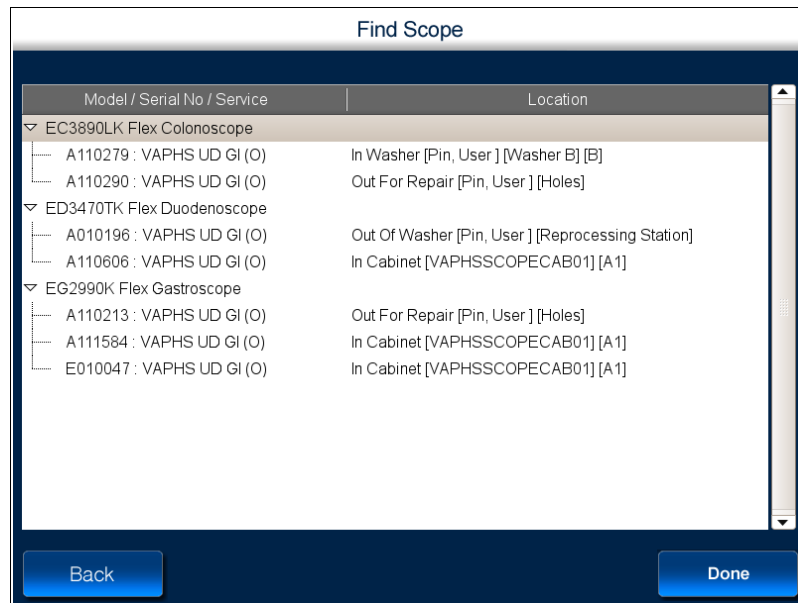


ILLUSTRATION 10: CABINET MAIN SCREEN

Press on **Done** button to navigate to the Main screen.

## 2.1.4 Main Screen

The Cabinet Main Screen contains buttons that you can use for accessing the cabinet. Using this screen you can

- Remove scopes from the cabinet
- Exchange scopes
- Return washed scopes
- Return unused scopes

This screen is accessible via the touch screen monitor attached to the cabinet.

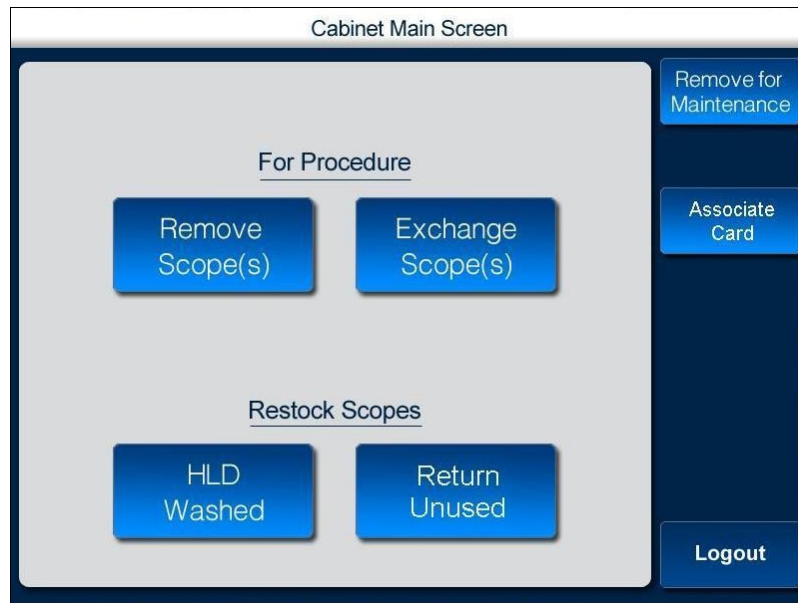


ILLUSTRATION 11: CABINET MAIN SCREEN

## 2.2 Reprocessing Station

### 2.2.1 Main Menu Screen

The reprocessing station main menu screen contains buttons you can use during reprocessing a scope. You can use this screen

- When you receive scopes at the reprocessing station.
- When you load/unload the washer.
- When you change solution details.
- When you send the damaged scope for repair.
- When you Tag/Retag a scope.
- For finding a scope.

This screen is accessible via the touch screen monitor placed at the reprocessing room.

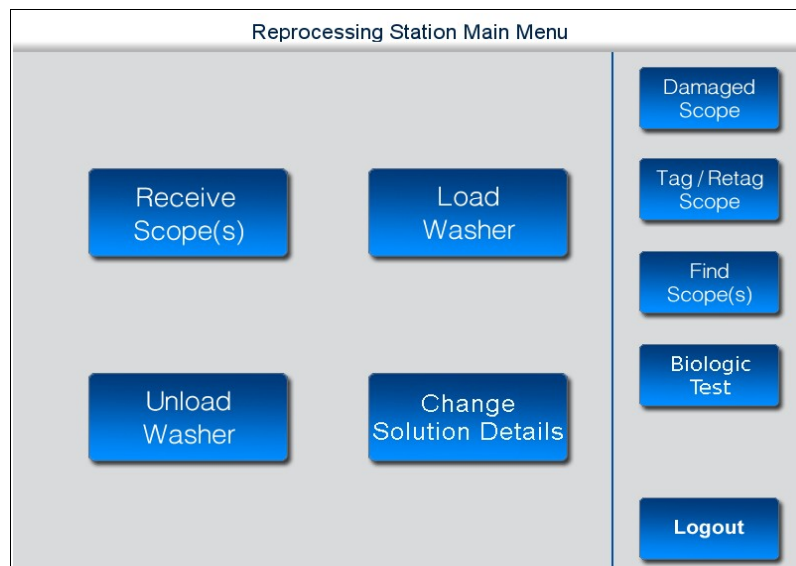


ILLUSTRATION 12: REPROCESSING STATION MAIN MENU

# 3 Cabinet

---

This chapter, contains the following sections:

- Cabinet Overview
- Cabinet Installation
  - Cabinet Dimensions/Weight
- Removing Scopes
  - Removing Scopes for Procedure
  - Removing Scopes for Maintenance
  
- Restock Scopes
  - Restock Washed Scopes
  - Restock Unused Scopes
- Exchange Scopes

## 3.1 Cabinet Overview

iRISCOPE™ cabinets are engineered to provide a secure enclosure for storing fragile and expensive scopes. Each cabinet is designed to vertically hold 12 scopes. Scopes can be hung on hooks or brackets which hold the control body of the scope; hooks are located near the top of the cabinet.

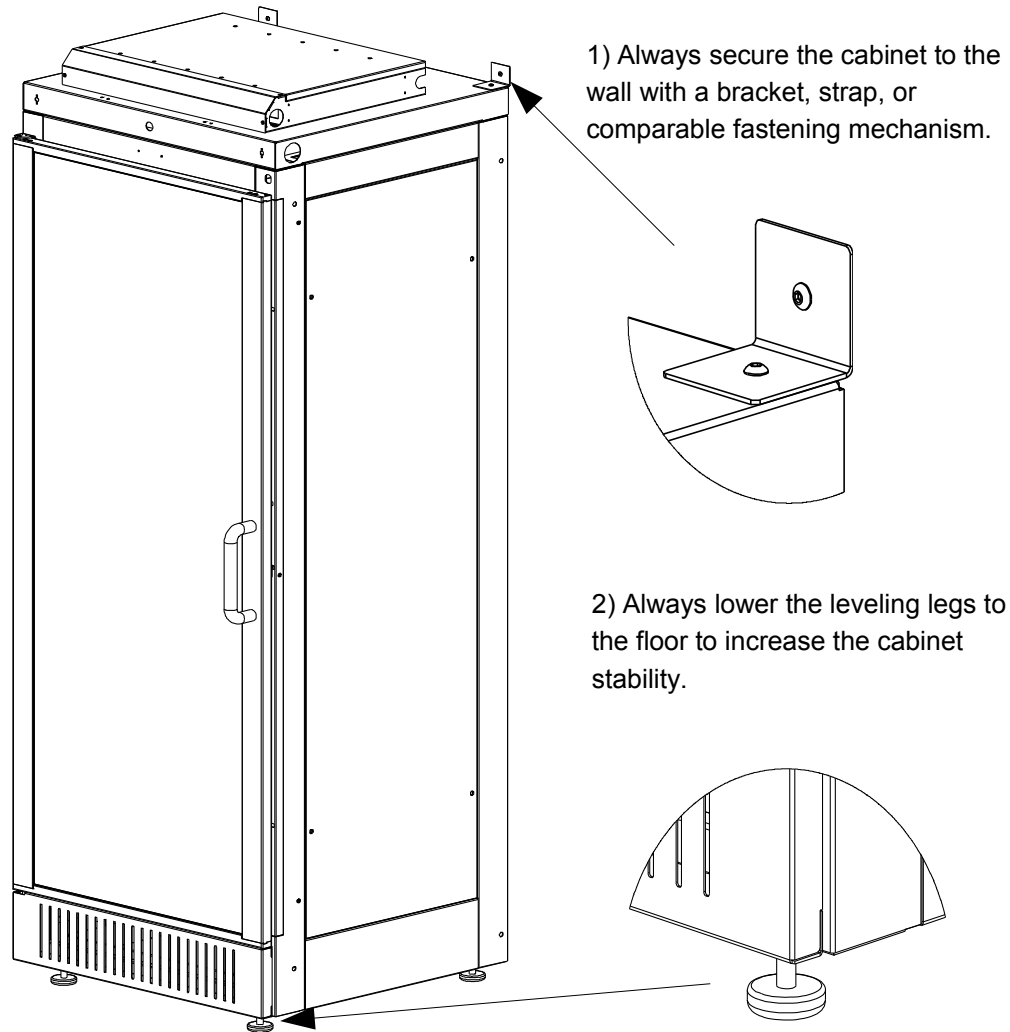
A fan and a vent fitted with a filter near the bottom of the cabinet allow fresh air to pass through the cabinet and aid in the drying of any residual cleansing fluid. In addition to this, absorbent pads can be placed at the bottom of the cabinet to capture excess residual fluids.

A touch screen monitor is attached on to the side of the cabinet via a swing-arm mount. This monitor serves as an interface for accessing the cabinet and partially controls the operation of the cabinet.

## 3.2 Cabinet Installation

IRIScope cabinets should always be installed by authorized Mobile Aspects personnel.

Due to the height of the cabinets and its inherent instability, the following steps should always be followed.





### 3.2.1 Cabinet Dimensions/Weight

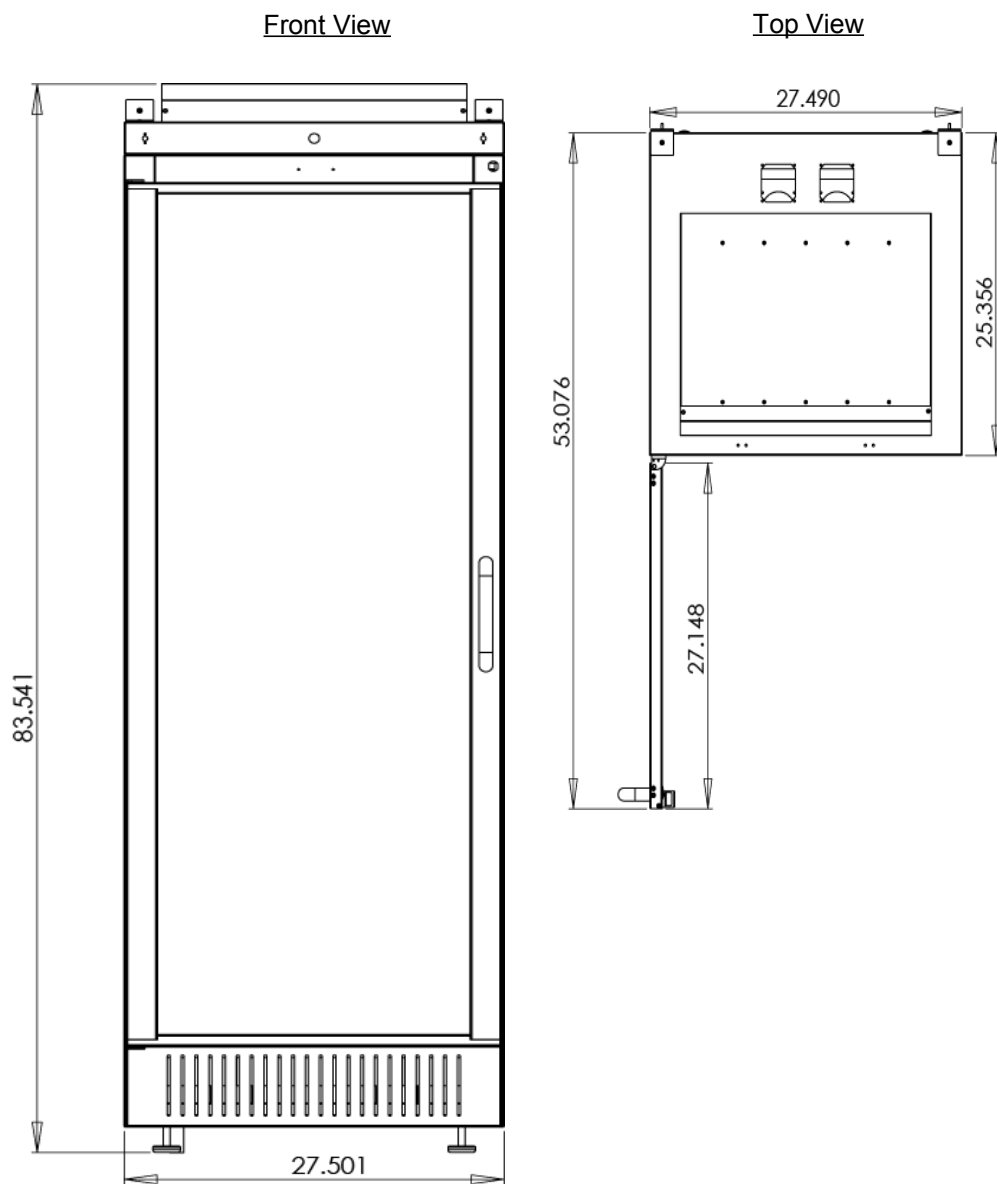
#### **iRIScope 1.0**

Height: 83.54"

Width: 27.50"

Depth: 26.62" (including thickness of the door)

Weight: 310 lbs.



## **iRIScope 2.0**

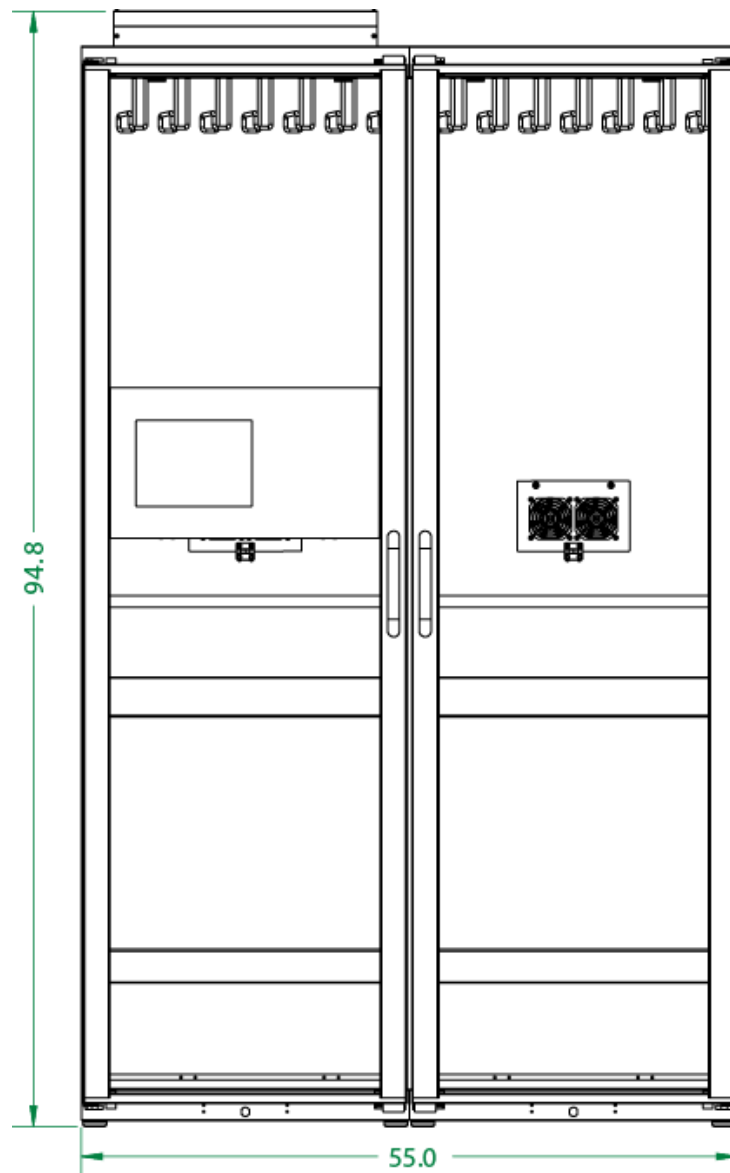
Height: 94.80" (with computer chassis sitting on the top)

Width: 55.00" (for double-wide version)

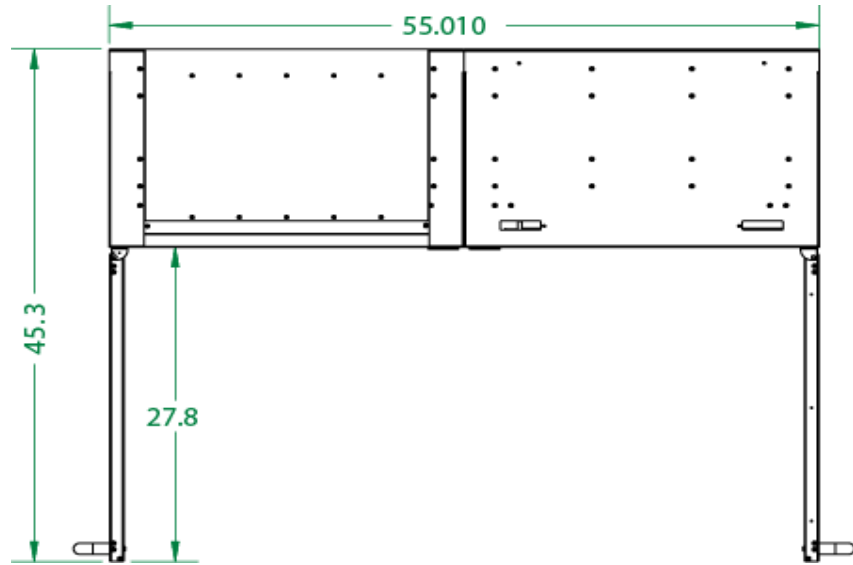
Depth: 18.76" (including thickness of the door)

Weight: 400 lbs.

Front View



Top View



### 3.3 Associate Card

You can use this option to Associate a Card on the cabinet for the user whose HID is not yet associated.

1. When user logs into the cabinet using Pin No. and if his HID is not already associated then **Cabinet Main Screen** will be displayed as shown in the illustration.

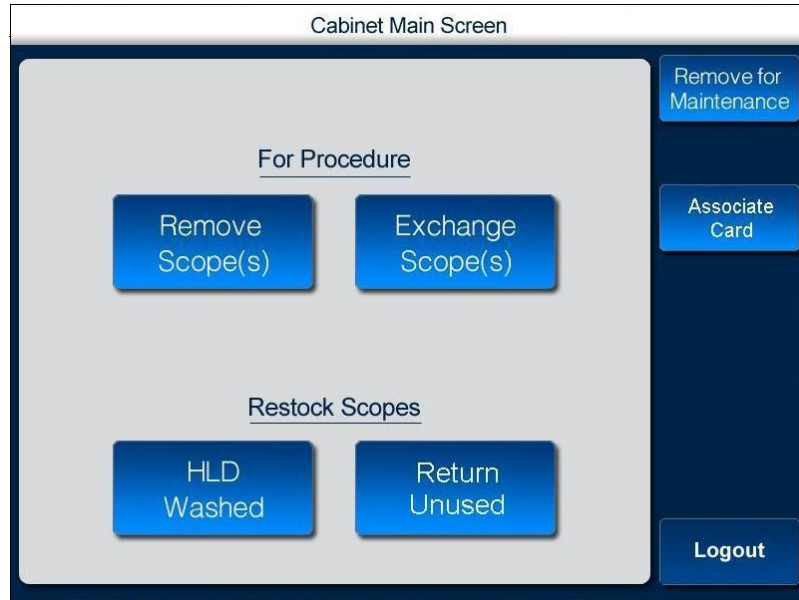


ILLUSTRATION 13: CABINET MAIN SCREEN

2. Press **Associate Card**.

The Associate Card screen is displayed as shown in the following illustration.

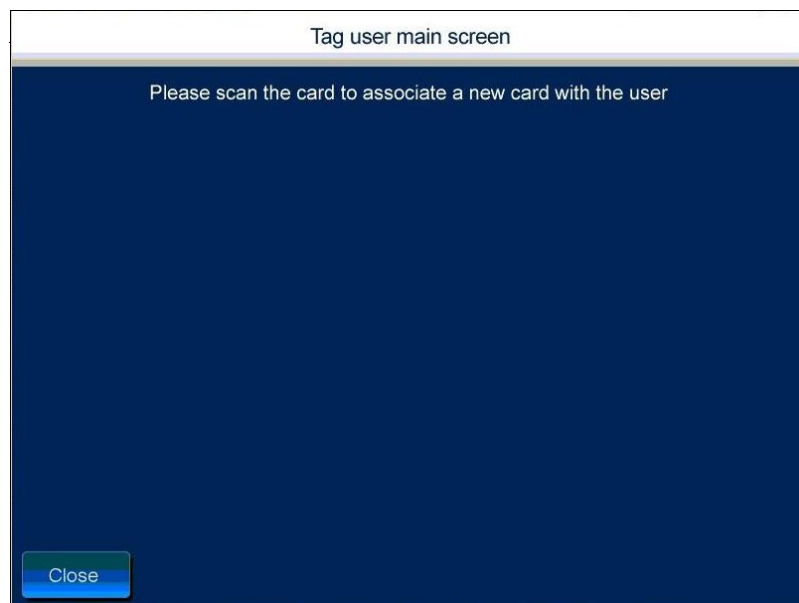


ILLUSTRATION 14: TAG USER MAIN SCREEN

3. Scan the HID and click on Done button to associate the card.

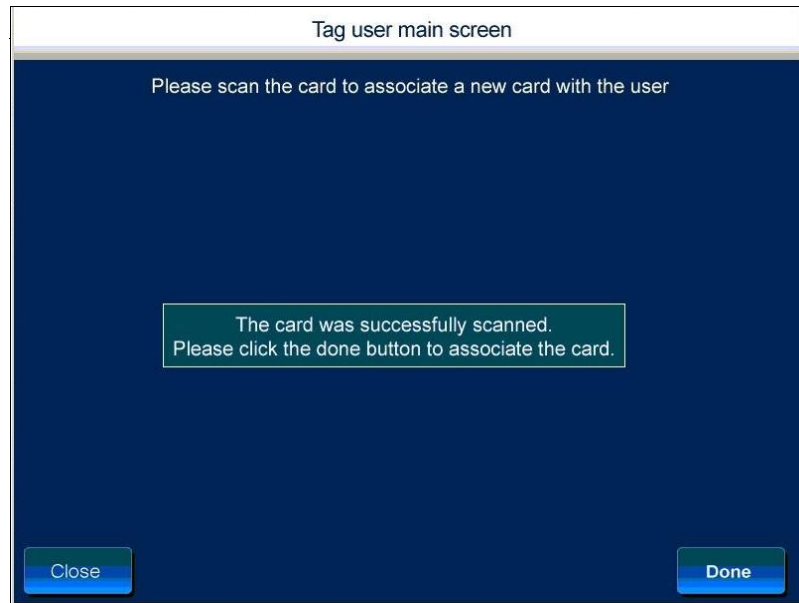


ILLUSTRATION 15: TAG USER MAIN SCREEN

## 3.4 Removing Scopes

### 3.4.1 Removing Scope for Procedure

You can use this option to remove a scope from the cabinet and use it for a procedure associated with a patient.

When scopes are removed for performing a procedure, a correlation is established between the scope removed, the patient for which the scope is removed and date on which the scope is removed. Appropriate alerts are displayed when there is a delay in returning the scope.

#### To remove scope for procedure

1. Navigate to the **Cabinet Main Screen** shown in the following illustration.

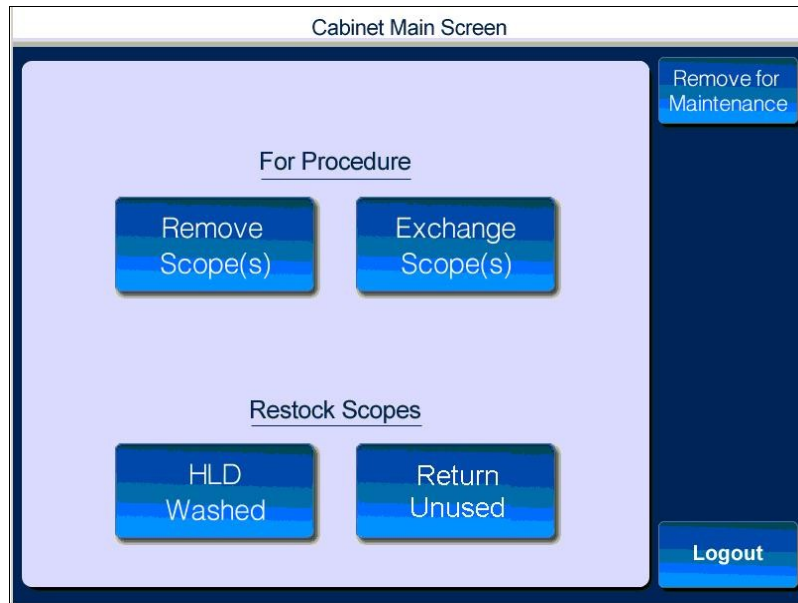


ILLUSTRATION 16: CABINET MAIN SCREEN

2. Press **Remove Scope(s)**.

The **Patient List** screen is displayed as shown in the following illustration.

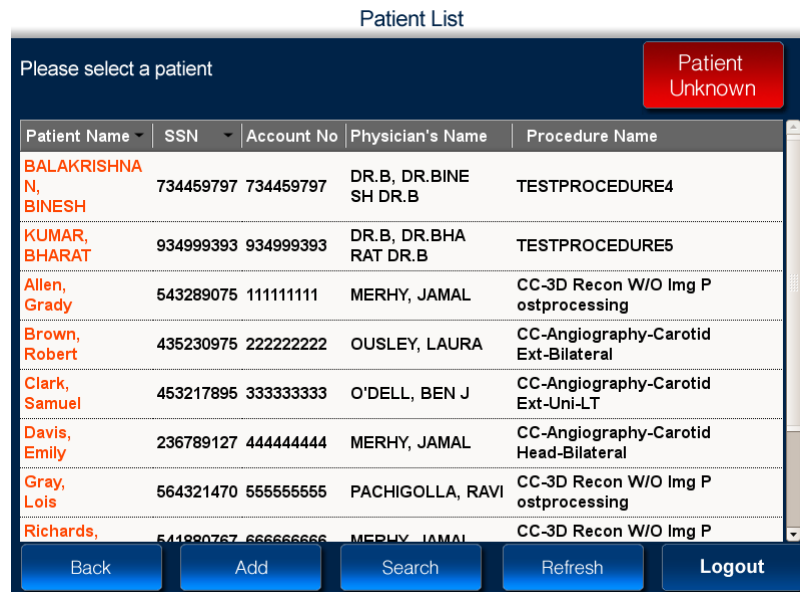


ILLUSTRATION 17: PATIENT LIST

Field	Description
<b>Patient Name</b>	Name of the patient.
<b>MRN</b>	Media Record Number of the patient. This number serves as an identification number for the patient.
<b>Account No</b>	Account number for the patient. This number serves as an identification number for the patient.
<b>Physician's Name</b>	Name of the physician providing treatment to the patient.
<b>Procedure Name</b>	Name of the procedure associated with the patient.  <i>Or</i> Procedure the patient is expected to undergo.

TABLE 1: FIELD DESCRIPTION

3. Select the patient for whom you want to remove the scope and use the scope for a procedure.

The **Patient Summary** window is displayed as shown in the following illustration.

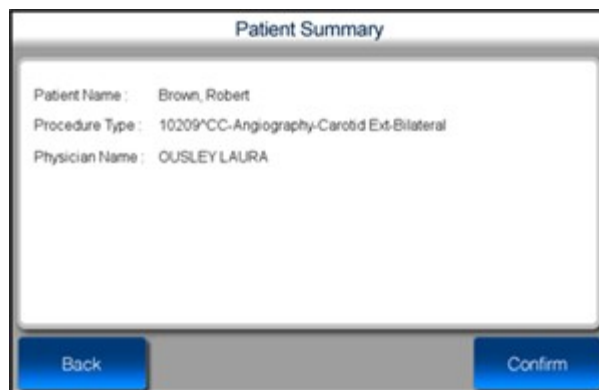


ILLUSTRATION 18: PATIENT SUMMARY

4. Read the patient details and then press **Confirm**.
5. The **Access Cabinet** screen is displayed as shown in the following illustration.

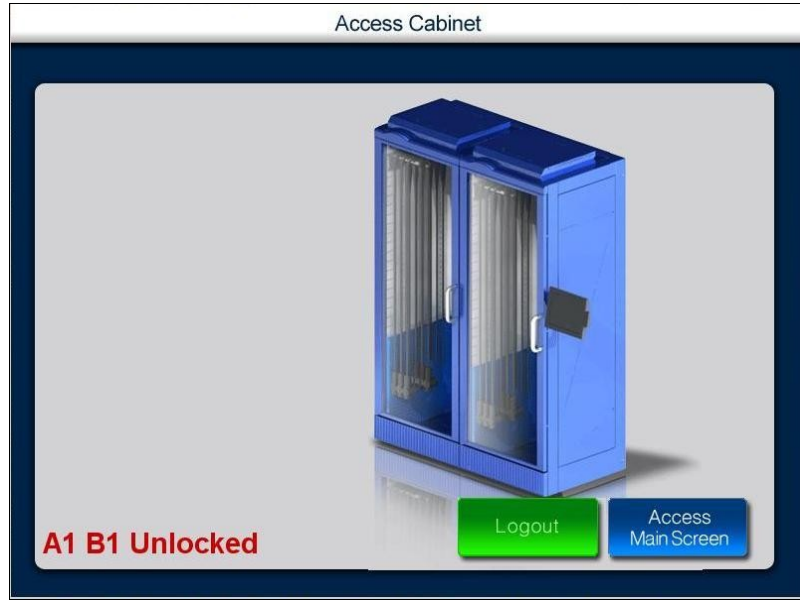


ILLUSTRATION 19: ACCESS CABINET

The scope can now be removed from the cabinet.

### 3.4.2 Removing Scope for Maintenance

You can use this option to remove a scope for the purpose of maintenance.

**To remove scope for maintenance**

1. Navigate to the **Cabinet Main Screen** shown in the following illustration.

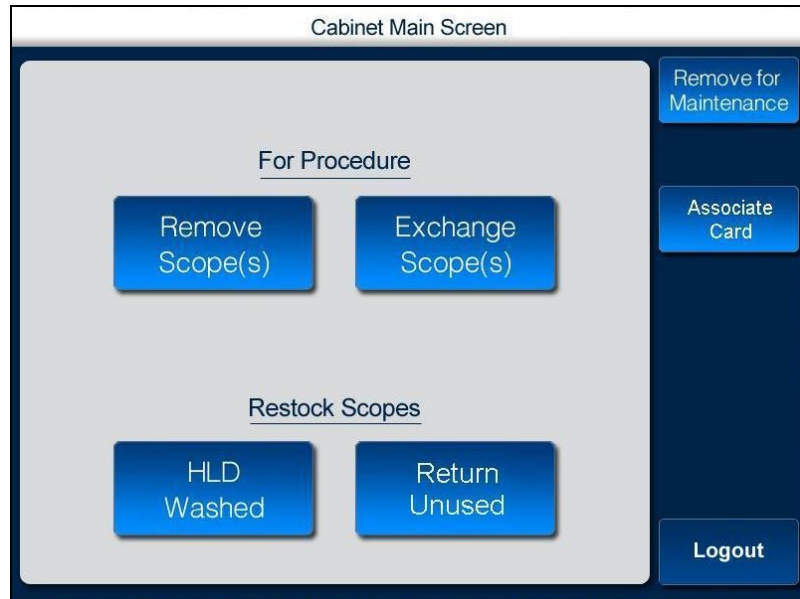
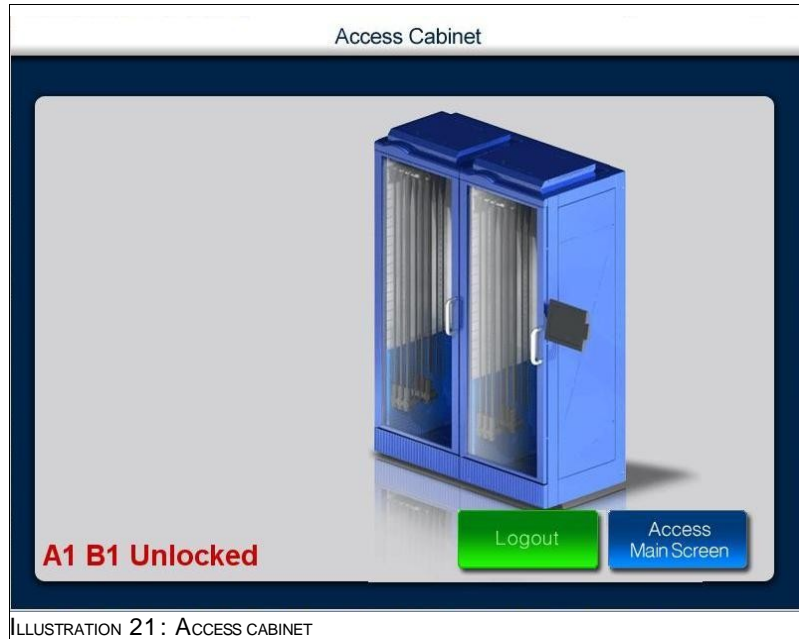


ILLUSTRATION 20: CABINET MAIN SCREEN



2. Press **Remove for Maintenance**.

The **Access Cabinet** screen is displayed as shown in the following illustration.



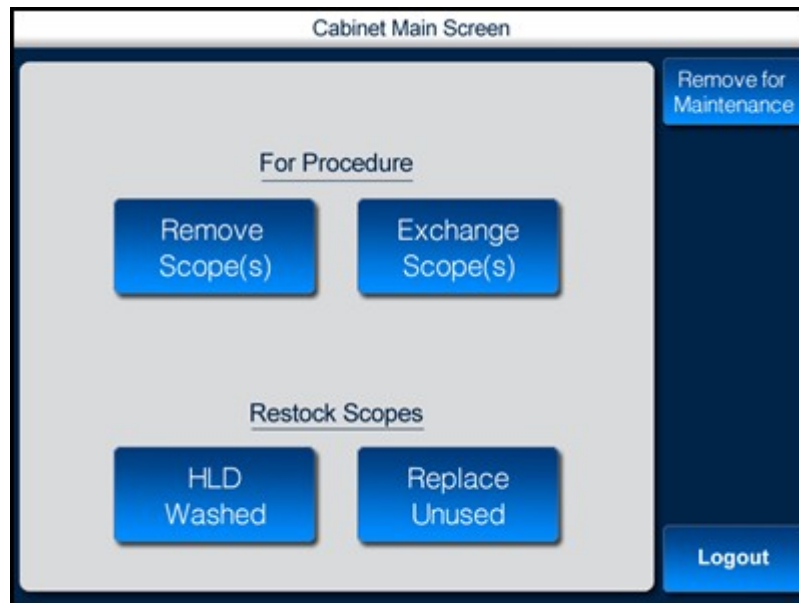
3. Open the cabinet and remove the scope.  
After you remove the scope, close the cabinet.

### 3.4.3 Removing Scope for Emergency

You can use this option to remove a scope in case of an emergency.

#### To remove scopes

1. Navigate to the **Cabinet Main Screen** shown in the following illustration.



2. Press **Remove Scopes**.

The **Patient List** screen is displayed as shown in the following illustration.

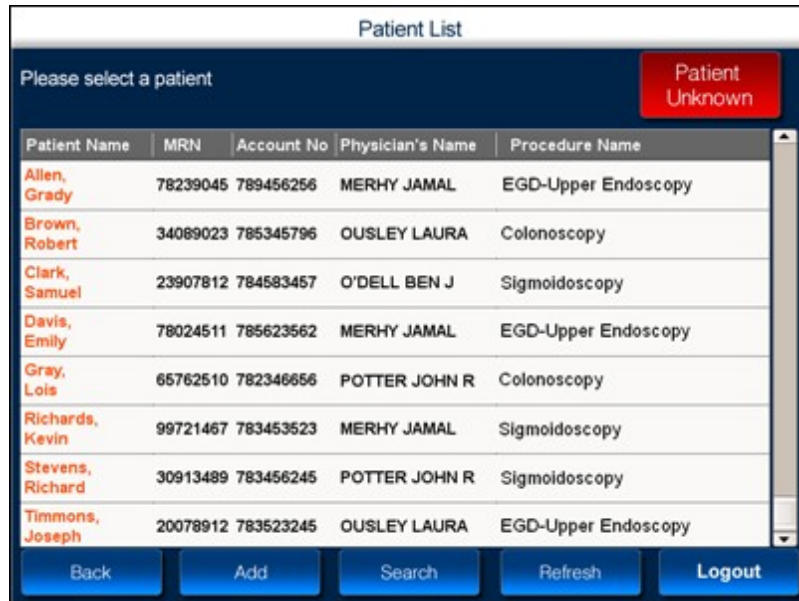


ILLUSTRATION 23: PATIENT LIST

3. Press **Patient Unknown**.

4. The **Access Cabinet** screen is displayed as shown in the following illustration.

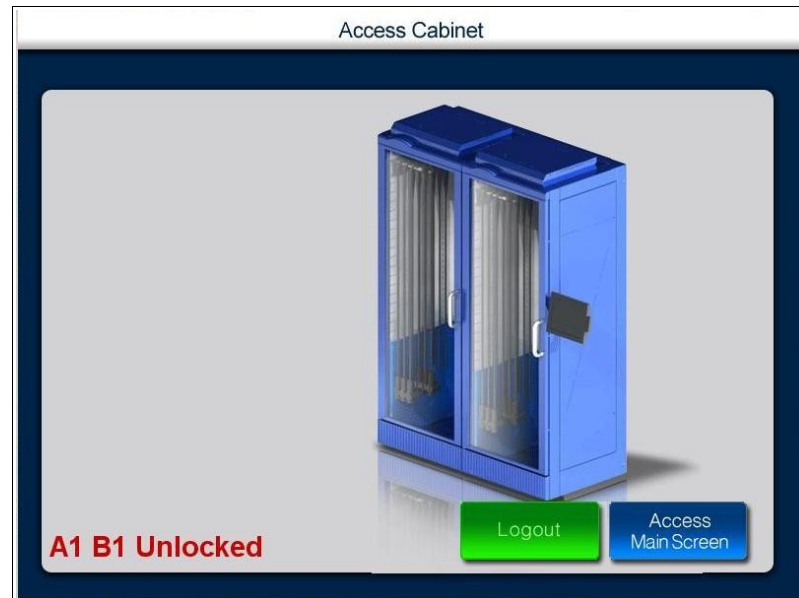


ILLUSTRATION 24: ACCESS CABINET

The scope can now be removed from the cabinet.

## 3.5 Restock Scopes

### 3.5.1 Restock Washed Scopes

To restock washed scopes

1. Navigate to the **Cabinet Main Screen** shown in the following illustration.

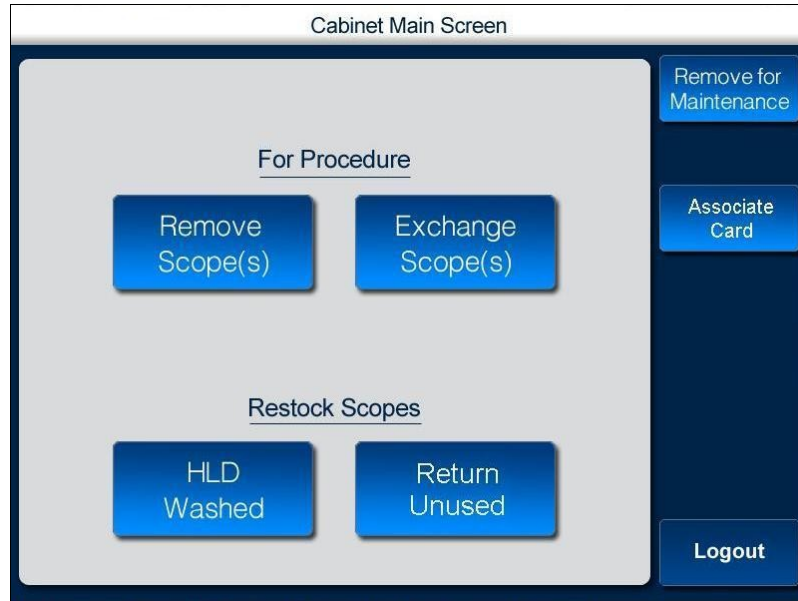


ILLUSTRATION 25: CABINET MAIN SCREEN

2. Press **HLD Washed**.

The **Access Cabinet** screen is displayed as shown in the following illustration.



ILLUSTRATION 26: ACCESS CABINET

3. Open the cabinet and return the washed scope.

4. If the Scope which was returned using **HLD Washed** didn't go through Reprocessing Station. Then a Challenge screen gets displayed as soon as the Scope placed into the Cabinet,  
The **Challenge screen** is displayed as shown in the following illustration.

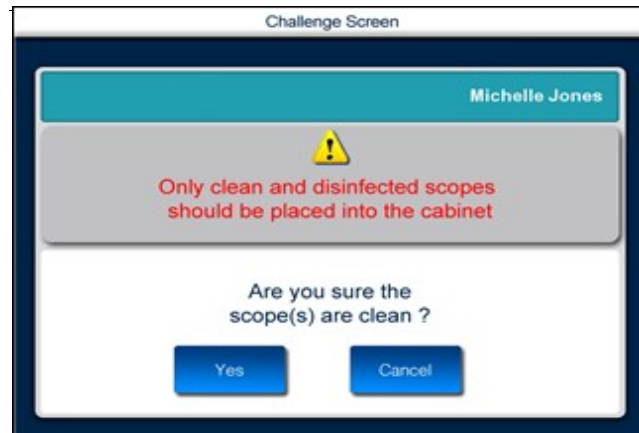


ILLUSTRATION 27: CHALLENGE SCREEN

1. If the Scope(s) are clean then press **Yes** button and proceed with step 9.
2. But if the Scope(s) are not cleaned then press **Cancel** button and upon clicking on the Cancel button, red lights are turned on that Particular Cabinet where the Scope(s) are placed and that Cabinet gets locked immediately.
3. An alert gets generated immediately after this. To clear this alert Please follow the Manager Overriding method. Only Supervisor has the permission to Clear the alert after inspecting the Scope(s). Please Refer 3.7.
4. After logging out the Splash screen will be displayed as shown in the following illustration.

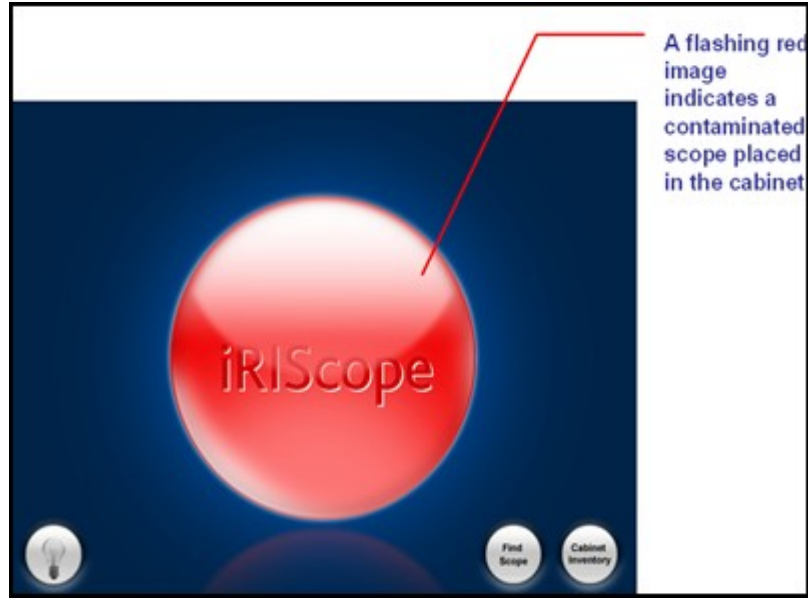


ILLUSTRATION 28: SPLASH SCREEN

5. Close the Cabinet.

### 3.5.2 Restock Unused Scopes

To restock unused scopes

1. Navigate to the **Cabinet Main Screen** shown in the following illustration.

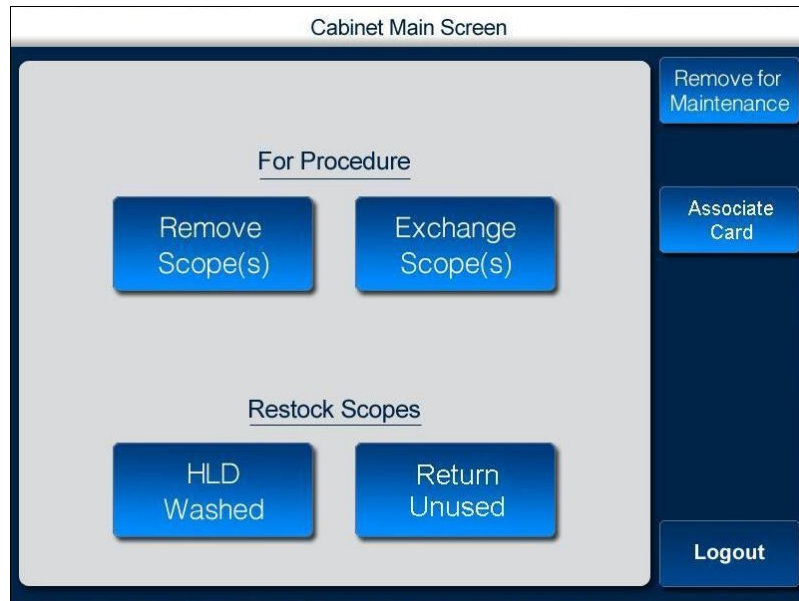


ILLUSTRATION 29: CABINET MAIN SCREEN

2. Press **Return Unused**.

The **Challenge Screen** is displayed as shown in the following illustration.

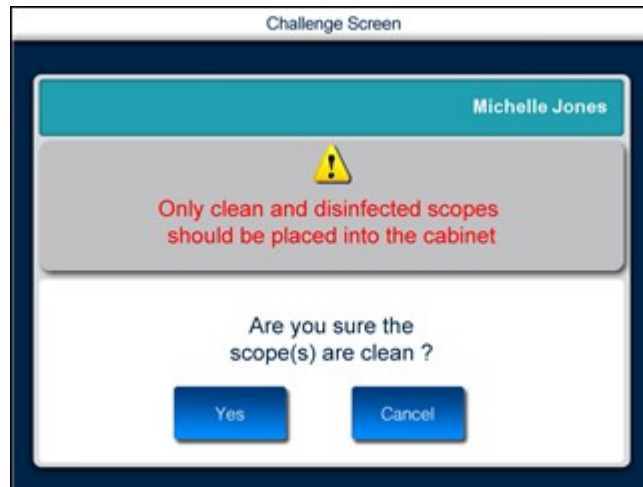


ILLUSTRATION 30: CHALLENGE SCREEN

3. If the answer to the challenge question is **Yes**, then proceed with step 4.
4. The **Access Cabinet** screen is displayed as shown in the following illustration.

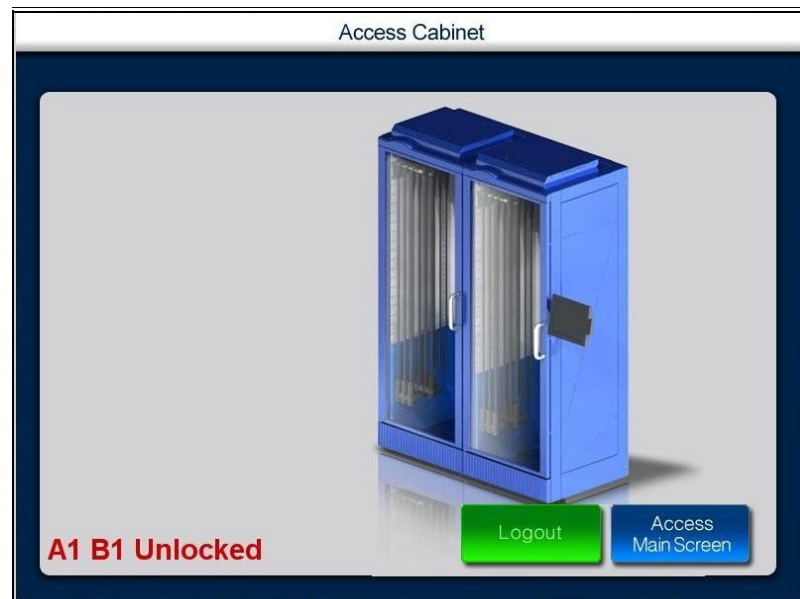


ILLUSTRATION 31: ACCESS CABINET

5. Open the cabinet and return the unused scope.
6. Close the cabinet.

## 3.6 Exchange Scopes

To exchange scopes

1. Navigate to the **Cabinet Main Screen** shown in the following illustration.

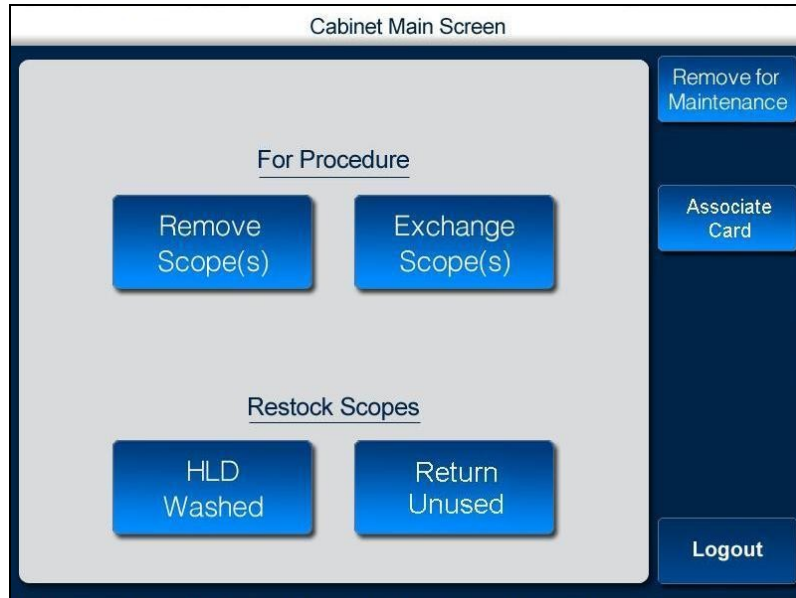


ILLUSTRATION 32: CABINET MAIN SCREEN

2. Press **Exchange Scope(s)**.

The **Challenge Screen** is displayed as shown in the following illustration.

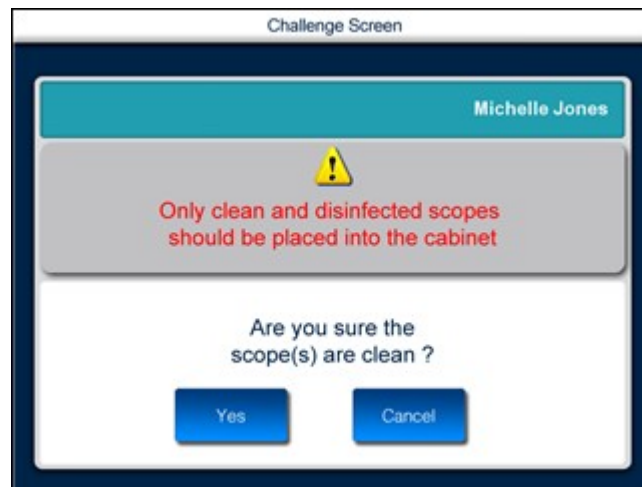


ILLUSTRATION 33: CHALLENGE SCREEN

3. If the answer to the challenge question is **Yes**, then proceed with step 4.
4. The **Patient List** screen is displayed as shown in the following illustration.

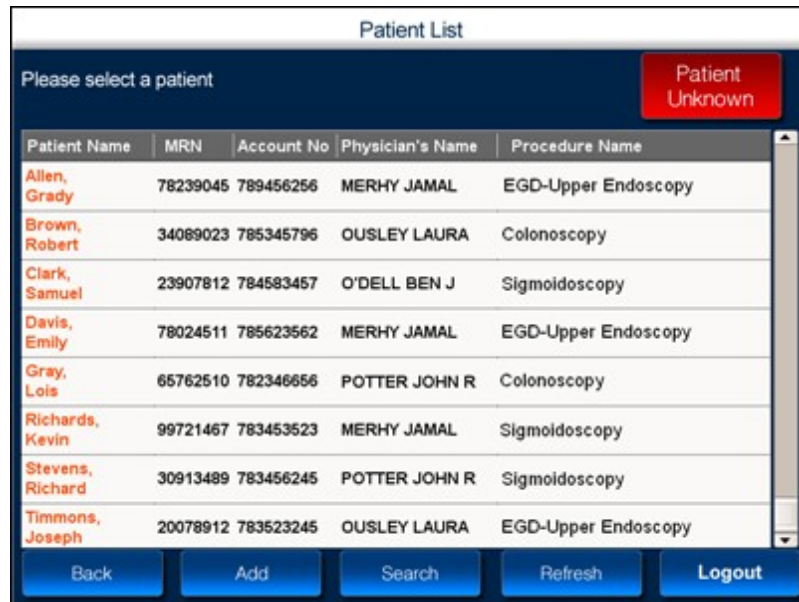


ILLUSTRATION 34: PATIENT LIST

- Select the patient for whom you want to exchange the scope.  
The **Patient Summary** window is displayed as shown in the following illustration.

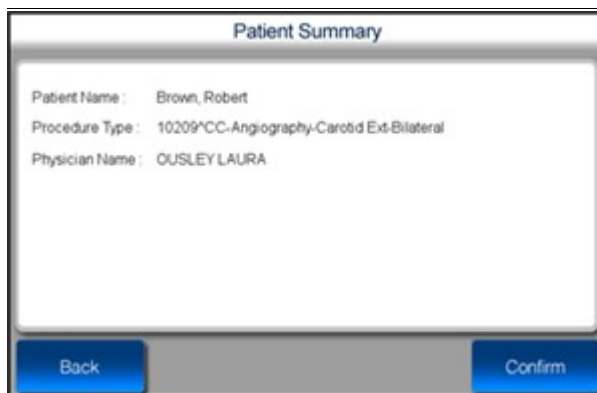


ILLUSTRATION 35: PATIENT SUMMARY

- Read the patient details and press **Confirm**.  
The **Access Cabinet** screen is displayed as shown in the following illustration.





ILLUSTRATION 36: ACCESS CABINET

The scope can now be removed from the cabinet and exchanged with a relevant scope.

## 3.7 Manager Overriding

To Clear the Scope(s) Alert

1. The **Splash Screen** is illustrated as show in the following.

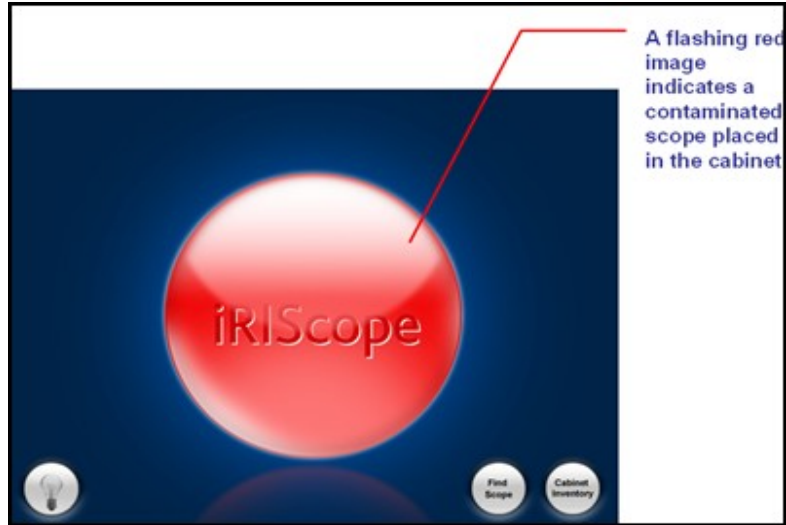


ILLUSTRATION 37: SPLASH SCREEN

2. Supervisor logs in to the Application. The **Manager Override Screen** gets displayed as shown in the following illustration.

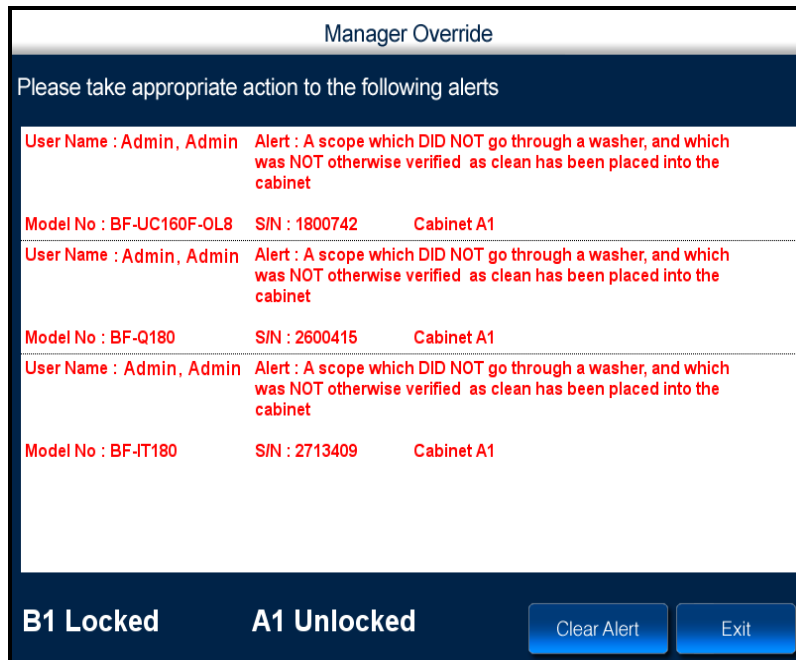


ILLUSTRATION 38:

3. In the above Screen, disinfected Scope(s) are in the Cabinet **A1**. Which gets Unlocked in the **Manager Override Screen** to allow the inspection of the disinfected Scope(s).
4. After the Inspection, Select the appropriate Alert and press **Clear Alert** Button.
5. Click on the **Exit** after Clearing the Alert(s).

# 4 Reprocessing Station

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This chapter, contains the following sections:

- Reprocessing Station Overview
- Receiving Scopes
- Loading Washer
- Unloading Washer
- Changing Washer Fluid
- Tagging/Retagging Scopes
  - Tagging New Scope
  - Retagging a Scope
- Damaged Scopes
  - Sending Scopes for Repair
- Biologic Test
  - Confirm Biologic Test
  - Record Biologic Test

## 4.1 Reprocessing Station Overview

Scopes are seldom discarded after use with a single patient but are preferably reused on the same patient or with other patients. To prevent infection associated with scopes, cleansing techniques become imperative.

The Reprocessing Station is a location where a multi-step cleansing process is used to remove contaminated substances from the scope and render it safe for reuse. In order to ensure adherence to the multiple steps — receiving scopes at the reprocessing station, loading scopes into the washer, unloading the washer — iRISCOPE™ incorporates a high level of supervision for reprocessing. Any deviation from the process or any delay in the process is notified by the intelligent iRISCOPE™ system via alerts sent to managerial personnel.

Components of the iRISCOPE™ system — splash proof touch screen monitor and an RFID scanner — are positioned at the reprocessing station in proximity to the washer. A correlation is established between each unique scope that is cleansed, the operator handling the scope, and the washer where the scope is cleansed.

## 4.2 Receiving Scopes

You can use this option when you receive scopes at the reprocessing station.

When scopes are brought into the reprocessing station, the iRISCOPE™ system has to be notified about the arrival of a scope for reprocessing. This can be accomplished by using an RFID scanner.

### To receive scopes

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

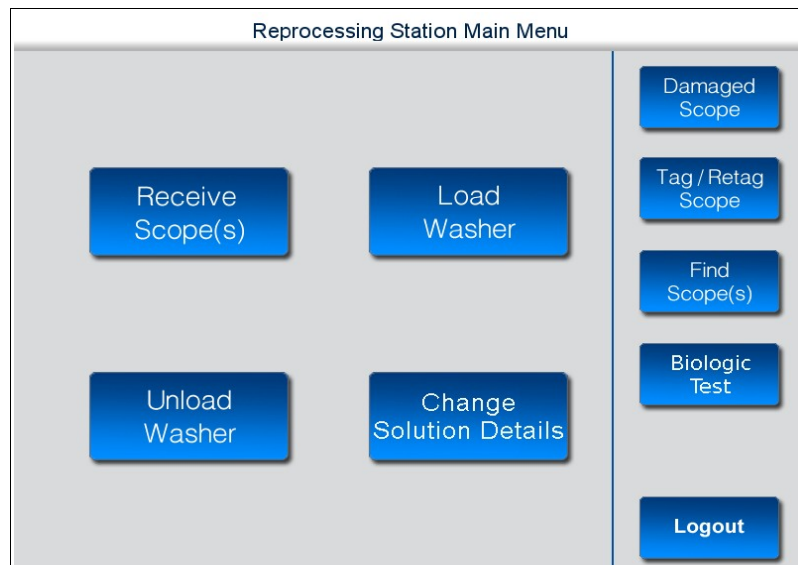


ILLUSTRATION 39: REPROCESSING STATION

2. Press **Receive Scope (s)**.

The **Received Scopes in Reprocessing Room** screen is displayed as shown in the following illustration.

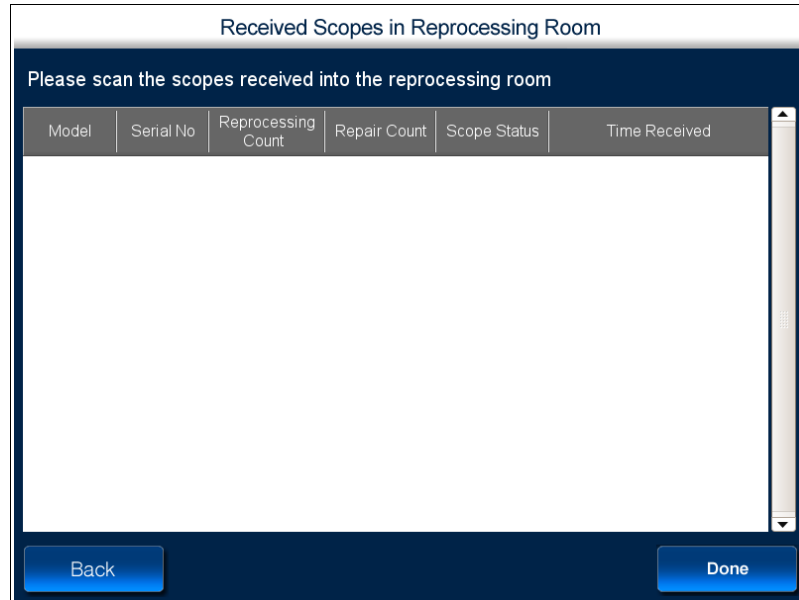


ILLUSTRATION 40: RECEIVED SCOPES IN REPROCESSING ROOM 1

3. Scan the received scope using the RFID scanner.

The **Received Scopes in Reprocessing Room** screen displays the details of the scanned scope.

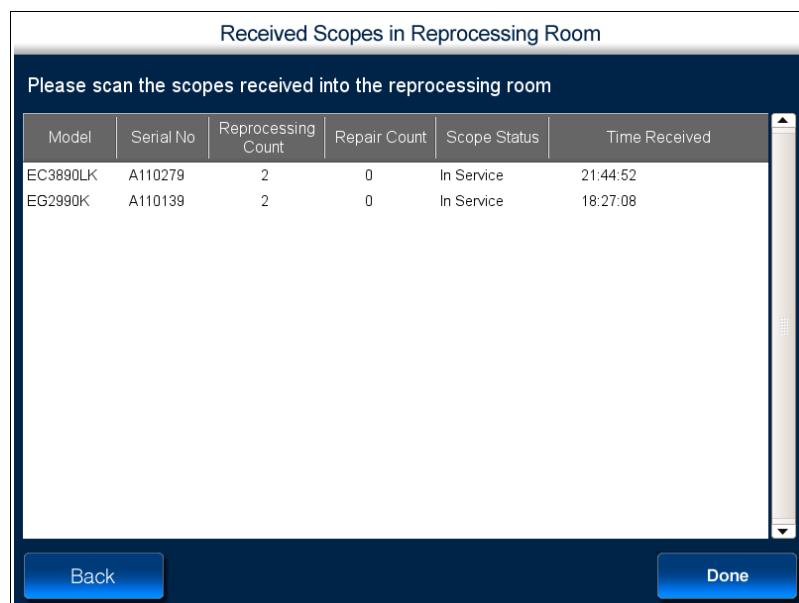


ILLUSTRATION 41: RECEIVED SCOPES IN REPROCESSING ROOM 2

Field	Description
<b>Model No</b>	Model number of the scope received for reprocessing.
<b>Serial No</b>	Serial number of the scope received for reprocessing.
<b>Reprocessing Count</b>	Number of times the scope is reprocessed.
<b>Repair Count</b>	Number of times the scope is repaired.
<b>Scope Status</b>	In Service, Damaged, End of Life, etc..
<b>Time Received</b>	Time at which the scope is received at the reprocessing station.  The time displayed here is dependent on the time at which scope was scanned with the RFID scanner.

TABLE 2: FIELD DESCRIPTION

4. After the scope is scanned, press **Done**.

## 4.3 Loading Washer

You can use this option when you load a washer with a scope.

When you load the washer with the scope, the iRISCOPE™ system has to be notified about the washer/bay and the details of the cleaning solution.

### To load washer

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

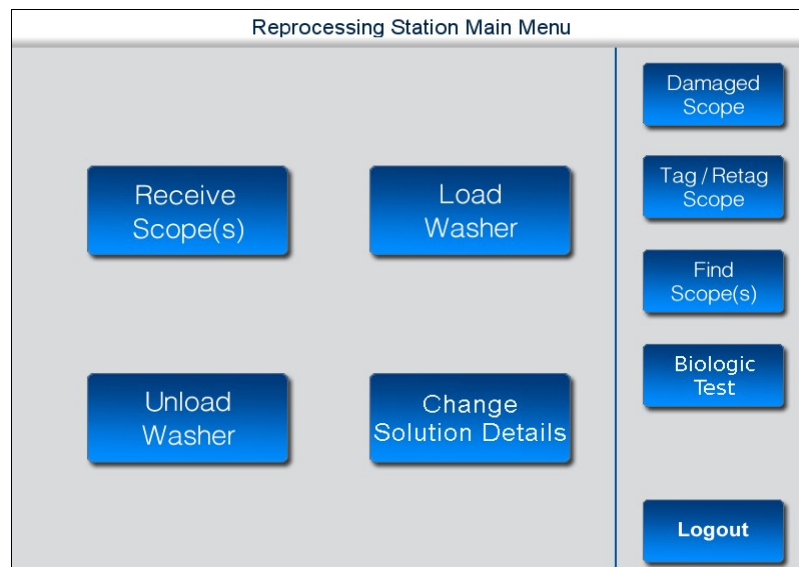


ILLUSTRATION 42: REPROCESSING STATION

2. Press **Load Washer**.

The **Select Scopes for Wash** screen is displayed as shown in the following illustration.

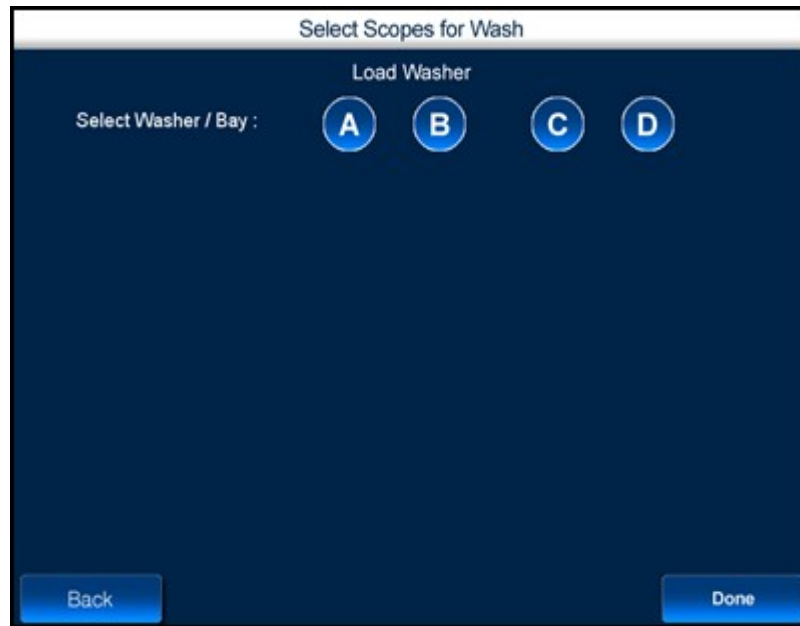
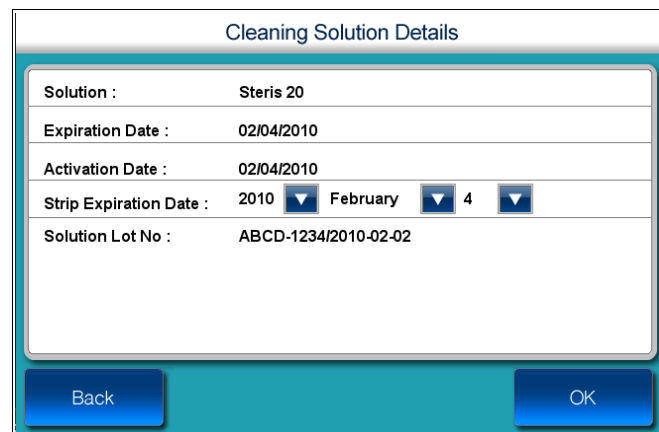


ILLUSTRATION 43: REPROCESSING STATION


3. Select the washer/bay you wish to use for reprocessing. To select the washer/bay, press the washer/bay.

The **Cleaning Solution Details** window is displayed as shown in the following illustration.



Solution :	Steris 20
Expiration Date :	02/04/2010
Activation Date :	02/04/2010
Strip Expiration Date :	2010 February 4
Solution Lot No :	ABCD-1234/2010-02-02

ILLUSTRATION 44: CLEANING SOLUTION DETAILS

4. Press  to enter the expiration date of the strip used to test the cleaning solution.
5. Press **OK**.



The **Select Scopes for Wash** screen is displayed as shown in the following illustration.

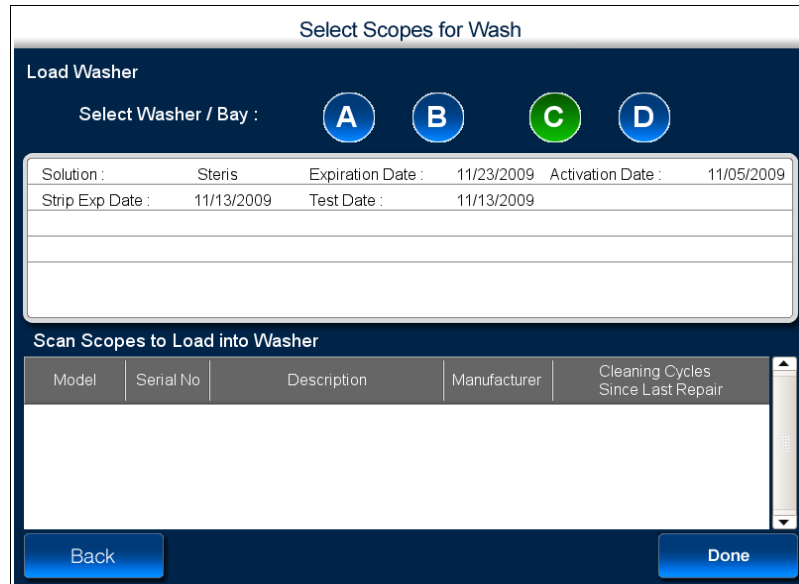


ILLUSTRATION 45: SELECT SCOPES FOR WASH

In the above screen, first half of the screen displays details of the selected washer and cleaning solution. Green shade on the washer C indicates that washer C is selected for reprocessing

6. Scan the scope before you load the scope into the washer.

The above screen is updated with details of the scanned scope.

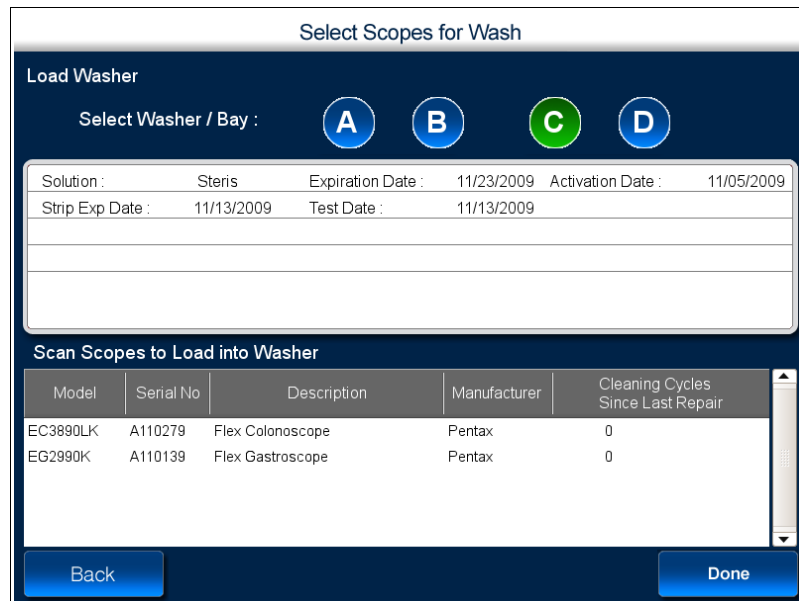


ILLUSTRATION 46: SELECT SCOPES FOR WASH

Field	Description
<b>Load Washer</b>	
<b>Solution</b>	Solution selected for washing.
<b>Expiration Date</b>	Date of expiration for the selected solution. The date is displayed in mm/dd/yy format.
<b>Activation Date</b>	Date of activation for the selected solution. The date is displayed in mm/dd/yy format.
<b>Strip Exp Date</b>	Date of expiration for the test strip. The date is displayed in mm/dd/yy format.
<b>Test Date</b>	Date of which the solution was tested.
<b>Scan Scopes to Load into Washer</b>	
<b>Model No</b>	Model number of the scope loaded into the washer.
<b>Serial No</b>	Serial number of the scope loaded into the washer.
<b>Description</b>	A brief description of the scope.
<b>Manufacturer</b>	Name of the company manufacturing the scope.
<b>Cleaning Cycle Since Last Repair</b>	Number of times the scope was used after last repair.

---

TABLE 3: FIELD DESCRIPTION

---

7. When the scopes are loaded into the washer, press **Done**.

## 4.4 Unloading Washer

You can use this option when you remove a scope from the washer.

When you remove the scope from the washer, the iRISCOPE™ system has to be notified about the completion of cleansing process. This can be accomplished by using an RFID scanner.

### To unload washer

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

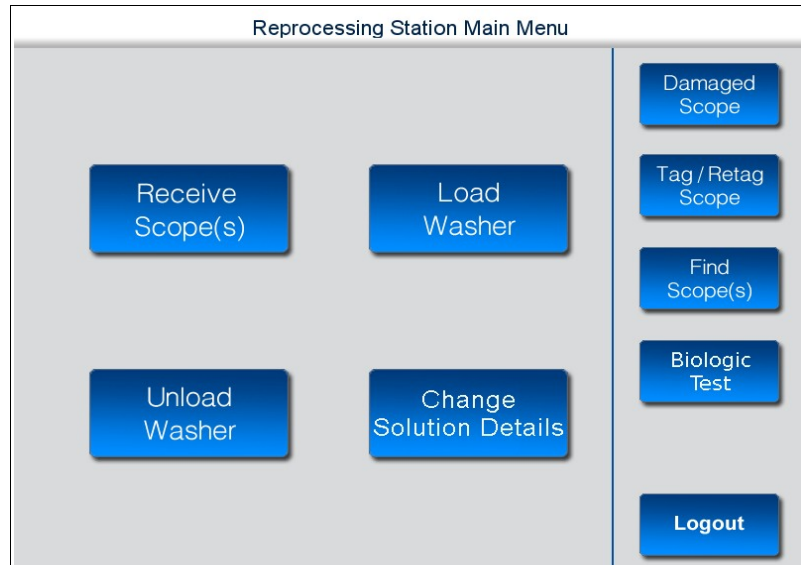


ILLUSTRATION 47: REPROCESSING STATION

2. Press **Unload Washer**.

The following screen gets displayed, asking the User to perform the **Biologic Test** for a Washer/Bay. It shows the information of the Tubs for which the **Confirm Biologic Spore Test** has not been performed for the day.

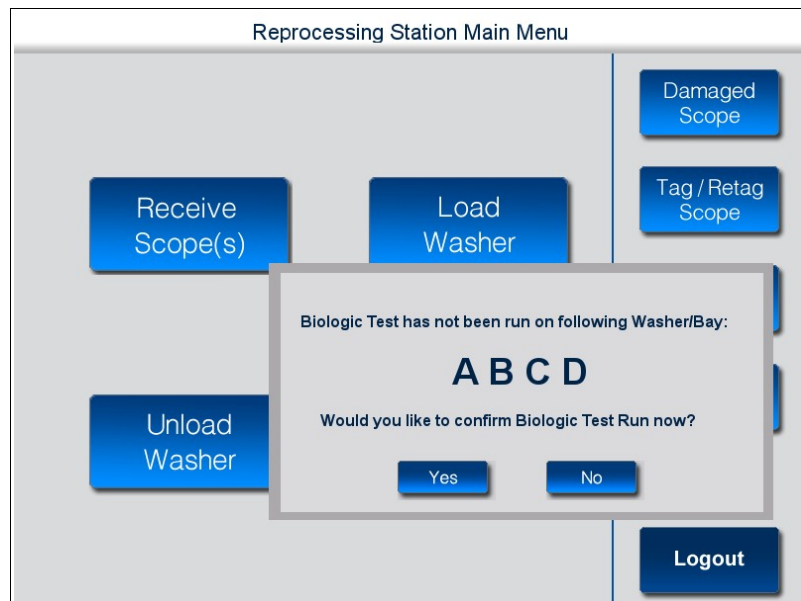


ILLUSTRATION 48: REPROCESSING STATION

3. Click on **Yes** button if the **Confirm Biologic Spore Test** has not been performed for the Tubs shown.

The Following screen gets displayed on clicking the **Yes** button,

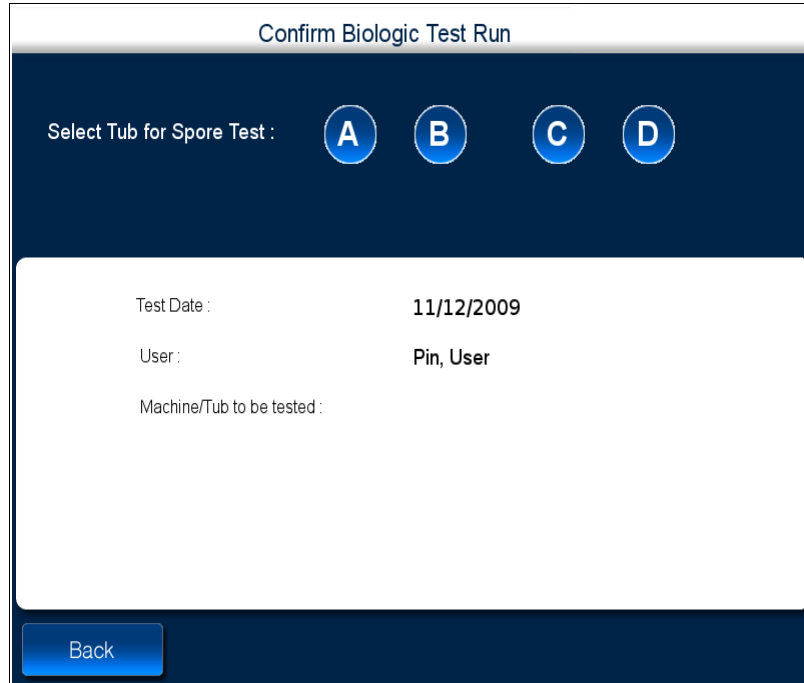


ILLUSTRATION 49: UNLOAD WASHER FOR SCOPE (S)

4. Click on the Washer/Tub for which you wish to perform the Confirm Biologic Spore Test. The following screen gets displayed after clicking on **Tub A**,

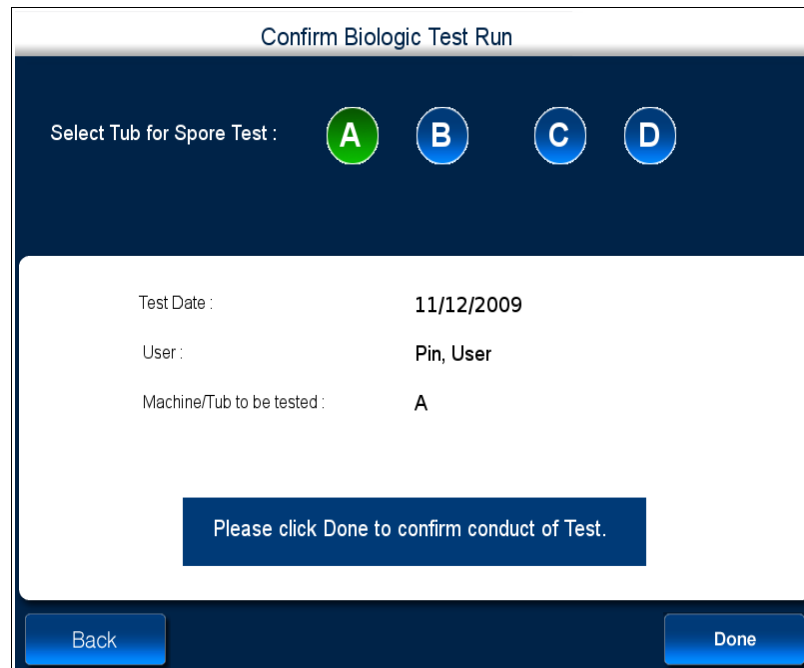


ILLUSTRATION 50: CONFIRM BIOLOGIC TEST RUN

5. Click on No button if You do not wish to perform the Confirm Biologic Spore Test now.

The **Unload Washer for Scope (s)** screen is displayed as shown in the following illustration.

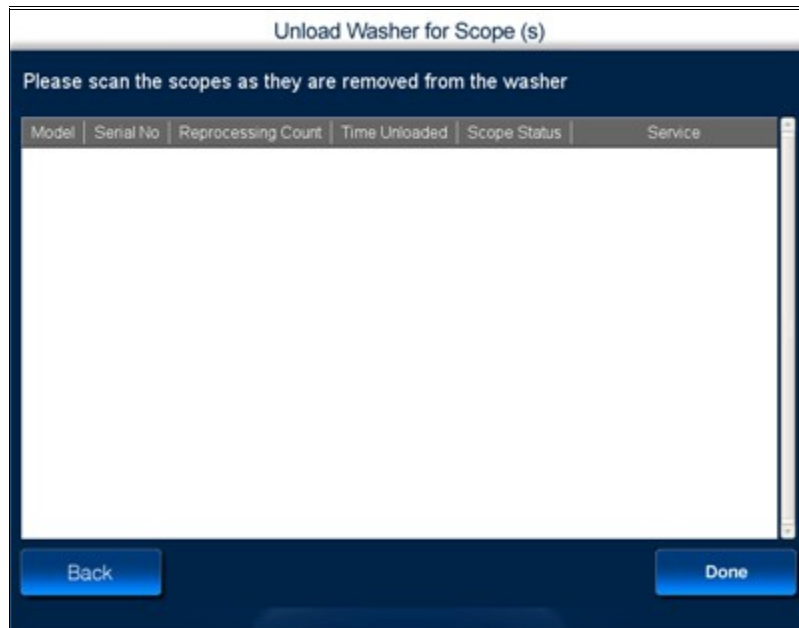


ILLUSTRATION 51 : UNLOAD WASHER FOR SCOPE (s)

6. Scan the unloaded scope using the RFID scanner.
7. If the Scope to be unloaded is Reprocessed in a Tub which is associated to Glutaraldehyde, follow step 8. If the Scope to be unloaded is Reprocessed in a Tub which is associated to Peracetic Acid, follow step 10.
8. The **Unload Washer for Scope (s)** screen displays the details of the scanned scope.

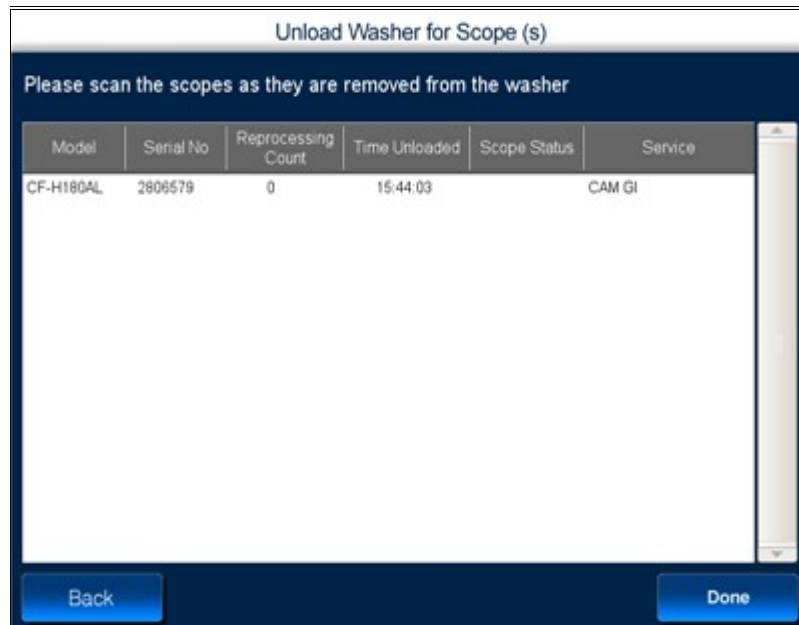


ILLUSTRATION 52 : UNLOAD WASHER FOR SCOPE (s)

9. Press **Done** to complete the process.
10. Scan the Scope at Unload Washer. A Test Result window gets displayed as shown in the following,

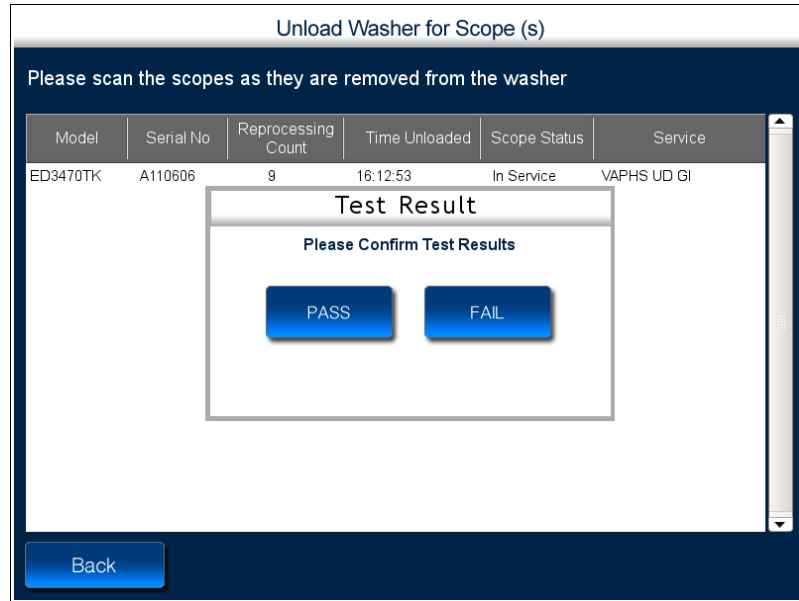


ILLUSTRATION 53: UNLOAD WASHER FOR SCOPE (S)

11. Click on **Pass/Fail** Button according to the Test Results on the Test Result Window.

Field	Description
<b>Model No</b>	Model number of the scope unloaded from the washer.
<b>Serial No</b>	Serial number of the scope unloaded from the washer.
<b>Reprocessing Count</b>	Number of times the scope is reprocessed.
<b>Time Unloaded</b>	Date and time the scope was unloaded. The time displayed here is dependent on the time at which scope was scanned with the RFID scanner.
<b>Scope Status</b>	In Service, Damaged, End of Life, etc..
<b>Owning Department</b>	Department to which the scope belongs.

TABLE 4: FIELD DESCRIPTION

## 4.5 Change Solution Details

You can use this option when you change the washer fluid.

When you wish to change the washer fluid, the iRISCOPE™ system has to be notified.

### To Change Solution Details

1. Navigate to the Reprocessing Station Main Menu screen shown in the following illustration.

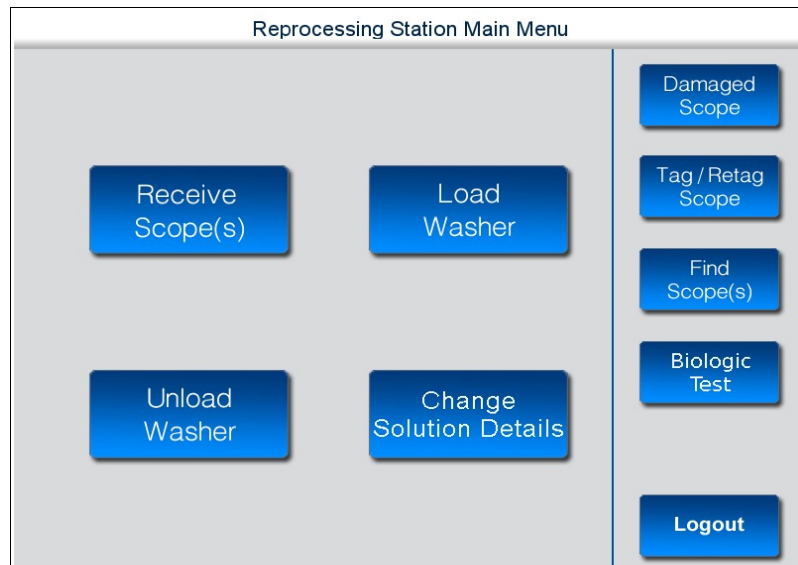


ILLUSTRATION 54: REPROCESSING STATION

2. Press **Change Solution Details**.

The **Change Solution Details** screen is displayed as shown in the following illustration.

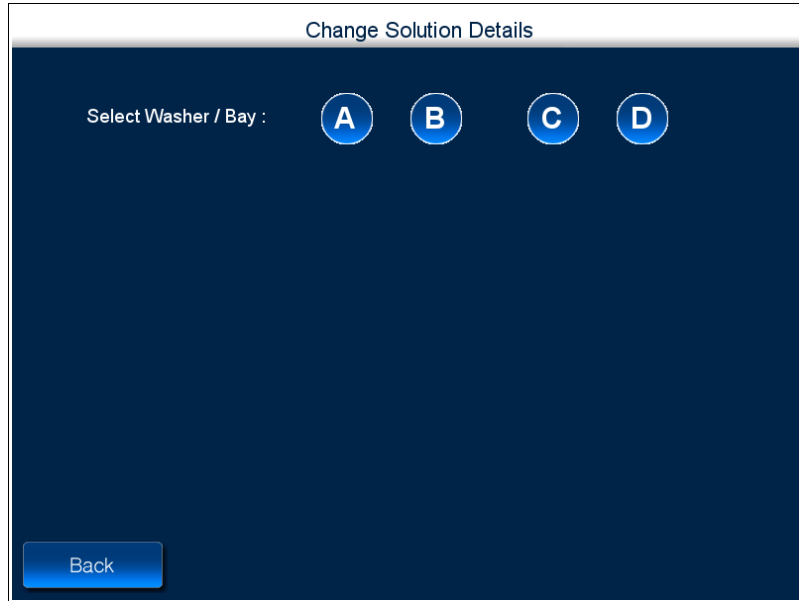


ILLUSTRATION 55: CHANGE SOLUTION DETAILS

3. Select Washer/Bay. If the Washer/Bay is associated to a Peracetic Solution then the following window gets displayed.

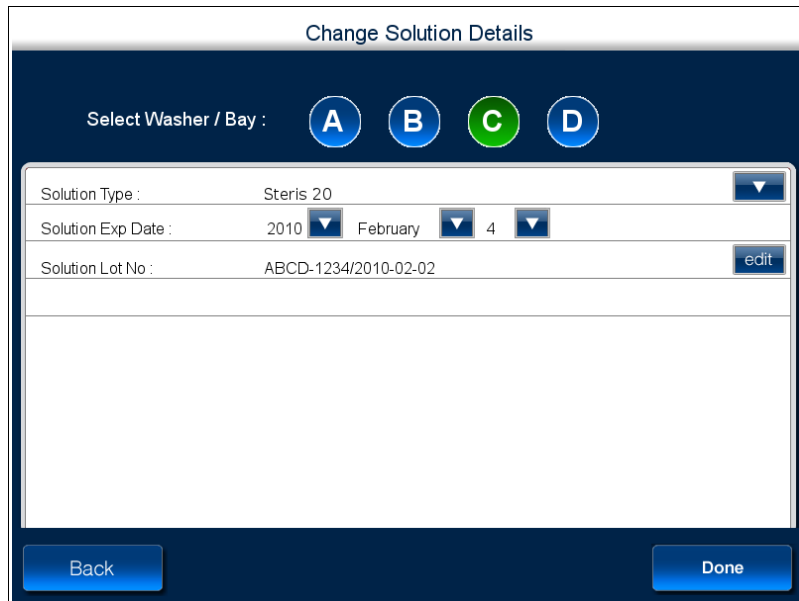


ILLUSTRATION 56: CHANGE SOLUTION DETAILS

4. Enter the Solution Expiry Date. Enter **Solution Lot No** by clicking on the **edit** button.
5. Press **Done** to complete the process.
6. Select Washer/Bay. If the Washer/Bay is associated to Gluteraldehyde solution type. The following screen gets displayed,



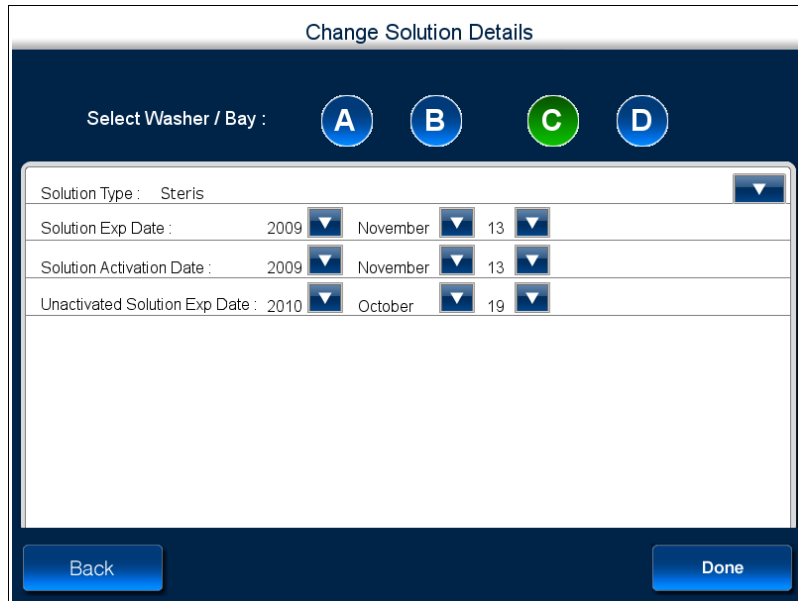


ILLUSTRATION 57: CHANGE SOLUTION DETAILS





Field	Description
<b>Solution Type</b>	The washer fluid (solution) present in the washer.  Press  to change the type of solution.
<b>Solution Exp Date</b>	Date of expiration for the selected solution. The date is displayed in mm/dd/yy format.  Press  to change the date.
<b>Solution Activation Date</b>	Date of activation for the selected solution. The date is displayed in mm/dd/yy format.  Press  to change the date.
<b>Unactivated Solution Exp Date</b>	Date of expiration for the unactivated solution. The date is displayed in mm/dd/yy format.  Press  to change the date.
<b>Solution Lot No</b>	Solution lot no for a particular solution used for cleaning the Scopes.  Press Edit button to enter the lot no.

TABLE 5: FIELD DESCRIPTION

7. Change the details appropriately.
8. When the process is complete, press **Done**.

## 4.6 Tagging/Retagging Scopes

You can use this option to tag or retag a scope.

Tagging a new scope is a two step process. Add the details of the scope to the iRISCOPE™ system and then associate the scope with an RFID tag.

Retagging a scope involves selecting the existing scope from the system and associating it with a new RFID tag.

### 4.6.1 Tagging New Scope

You can use this option when you receive a new scope.

Follow the sequence of steps given below to update the system with the details of the new scope.

#### To tag a new model

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

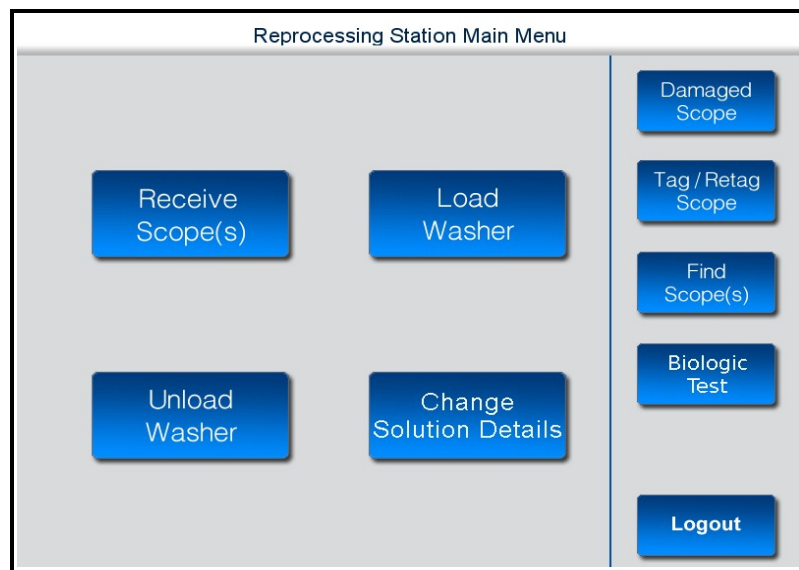


ILLUSTRATION 58: REPROCESSING STATION

2. Press **Tag/Retag Scope (s)**.

The **Select Scope for Retagging** screen is displayed as shown in the following illustration.

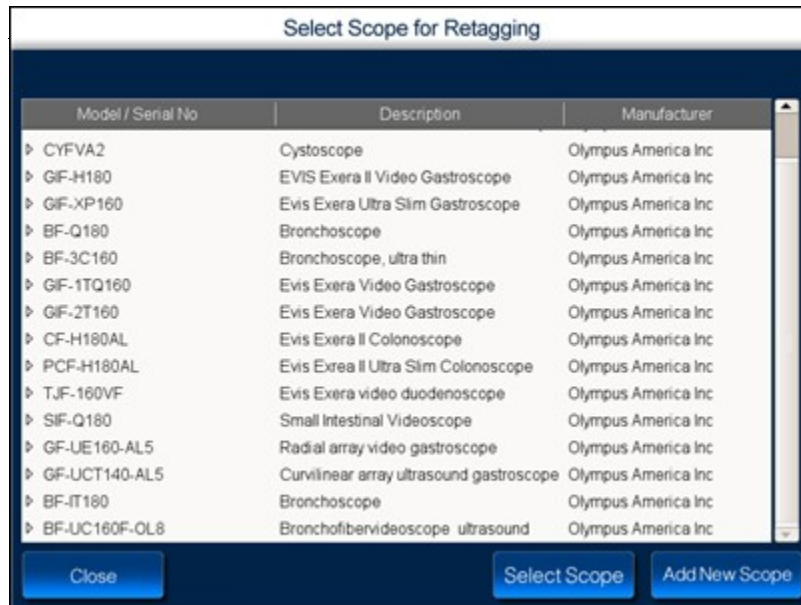


ILLUSTRATION 59: SELECT SCOPES FOR RETAGGING

3. Press **Add New Scope**.

The **New Scope Screen** is displayed as shown in the following illustration.



ILLUSTRATION 60: NEW SCOPE SCREEN





Field	Description
<b>Model No</b>	Model number of the scope. Press <b>Add</b> to add a new model. <i>Or</i> Press  to select from the list of available models.
<b>Scope Description</b>	Brief description of the scope.
<b>Serial No</b>	Serial number of the scope. Press <b>edit</b> and enter the serial number of the scope.
<b>Manufacturing Date</b>	Date on which scope was manufactured. Press  to change the date.
<b>Owning Department</b>	Department accepting ownership of scope. Press  to select the department.
<b>Scope Ownership</b>	Type of ownership for the scope. Press  to select the ownership.

TABLE 6: FIELD DESCRIPTION

4. Press **Add**.

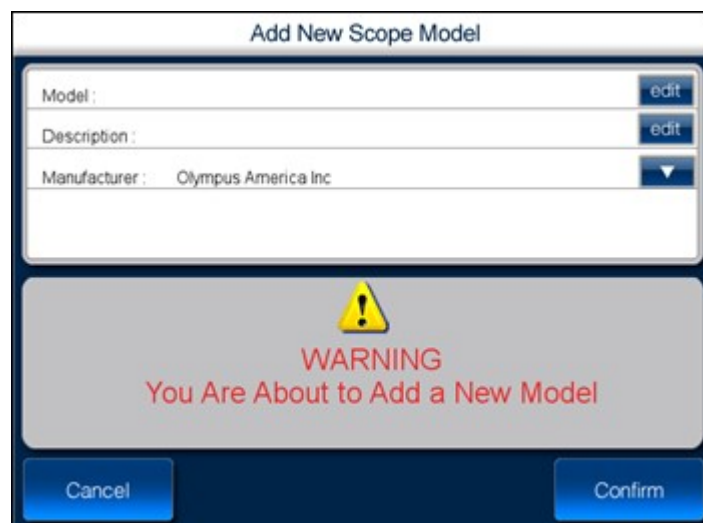


ILLUSTRATION 61: ADD NEW SCOPE MODEL

5. The **Add New Scope Model** screen is displayed as shown in the following illustration.


Field	Description
<b>Model No</b>	Model number of the scope. Press <b>edit</b> to enter the new model number.
<b>Description</b>	Brief description of the scope. Press <b>edit</b> to enter the description.
<b>Manufacturer</b>	Name of the company manufacturing the scope. Press  to select the company.

TABLE 7: FIELD DESCRIPTION

6. Enter the appropriate details of the new model that you have received.
7. Press **Confirm**.

Details of the new model are added into the iRISCOPE™ system and displayed in the **Tag Scope Main Screen** shown in the following illustration.

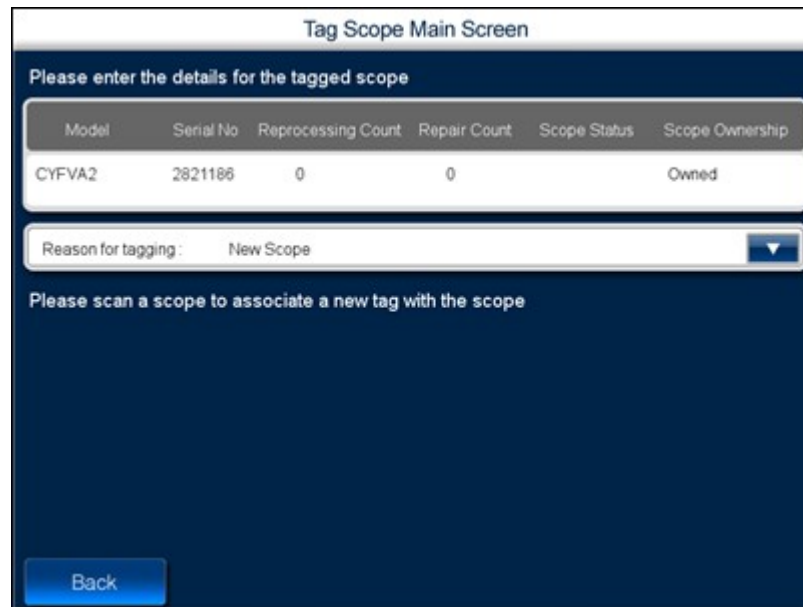


ILLUSTRATION 62: TAG SCOPE MAIN SCREEN

8. Attach an RFID tag to the scope and scan the scope.

Details of the scanned scope are updated and displayed as shown in the following illustration.

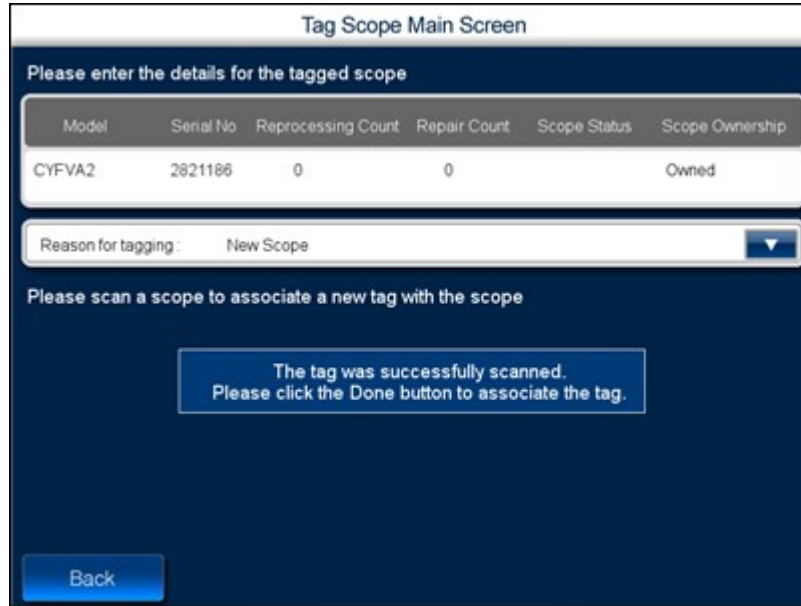


ILLUSTRATION 63: TAG SCOPE MAIN SCREEN

9. Press **Done**.

**To tag a new scope belonging to an existing model**

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

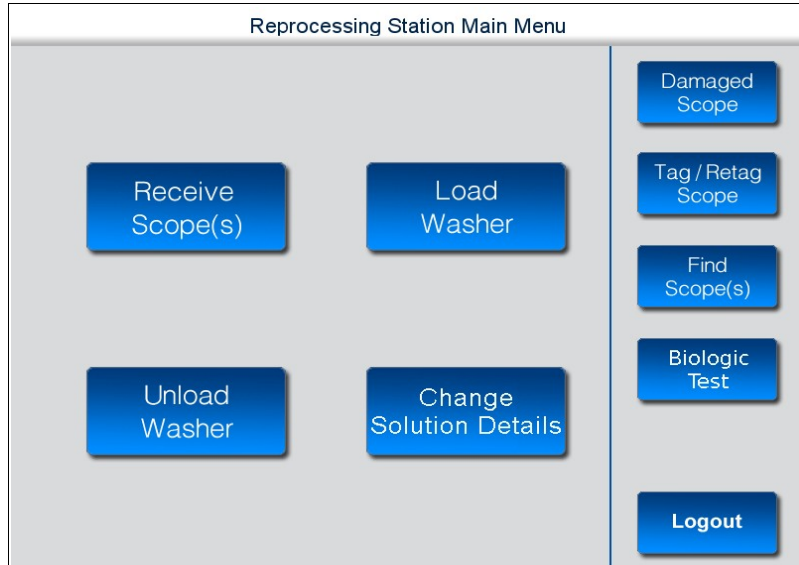


ILLUSTRATION 64: REPROCESSING STATION

2. Press **Tag/Retag Scopes (s)**.

The **Select Scope for Retagging** screen is displayed as shown in the following illustration.

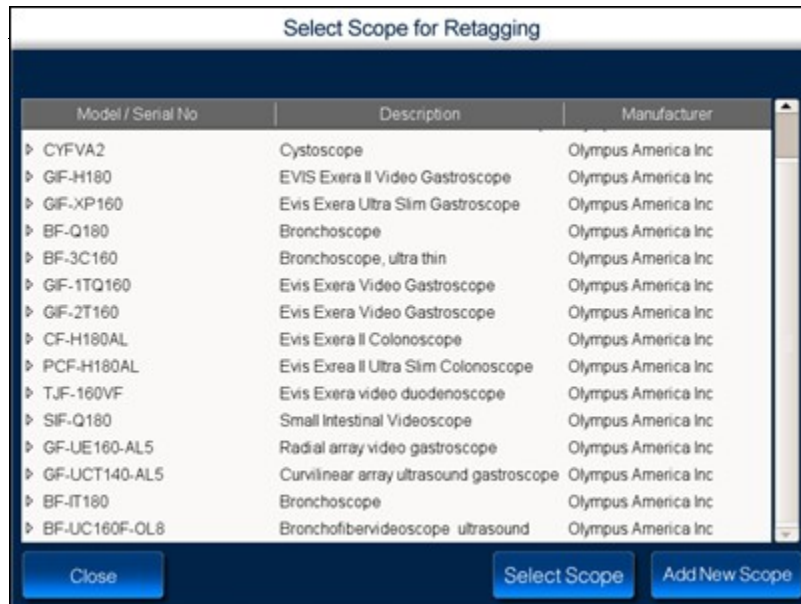


ILLUSTRATION 65: SELECT SCOPES FOR RETAGGING

3. Select the scope model for which you want to add a new scope.

4. Press **Add New Scope**.

The **New Scope Screen** is displayed as shown in the following illustration.

The screenshot shows a form titled "New Scope Screen". It contains the following fields and controls:

- Model No: GF-160 (with a dropdown arrow and an "Add" button)
- Scope Description: Gastrointestinal Videoscope
- Serial No: (with an "edit" button)
- Manufacturing Date: 2008 (dropdown), July (dropdown), 24 (dropdown)
- Owning Department: LAB (with a dropdown arrow)
- Scope Ownership: Owned (with a dropdown arrow)
- Buttons: "Back" and "Next" at the bottom.

ILLUSTRATION 66: ADD NEW SCOPE

For a description of fields in the above screen, see Table 6 on page 53.

5. Enter the relevant details of the new scope .
6. Press **Next**.

The **Tag Scope Main Screen** is displayed as shown in the following illustration.

The screenshot shows a screen titled "Tag Scope Main Screen". It contains the following elements:

- Text: "Please enter the details for the tagged scope"
- Table:

Model	Serial No	Reprocessing Count	Repair Count	Scope Status	Scope Ownership
LF-V	123	0	0		Owned

- Text: "Reason for tagging: New Scope" (with a dropdown arrow)
- Text: "Please scan a scope to associate a new tag with the scope"
- Button: "Back" at the bottom left.

ILLUSTRATION 67: TAGGED SCOPE MAIN SCREEN

7. Attach a new RFID tag to the scope and scan the scope.

Details of the scanned scope are updated and displayed as shown in the following illustration.



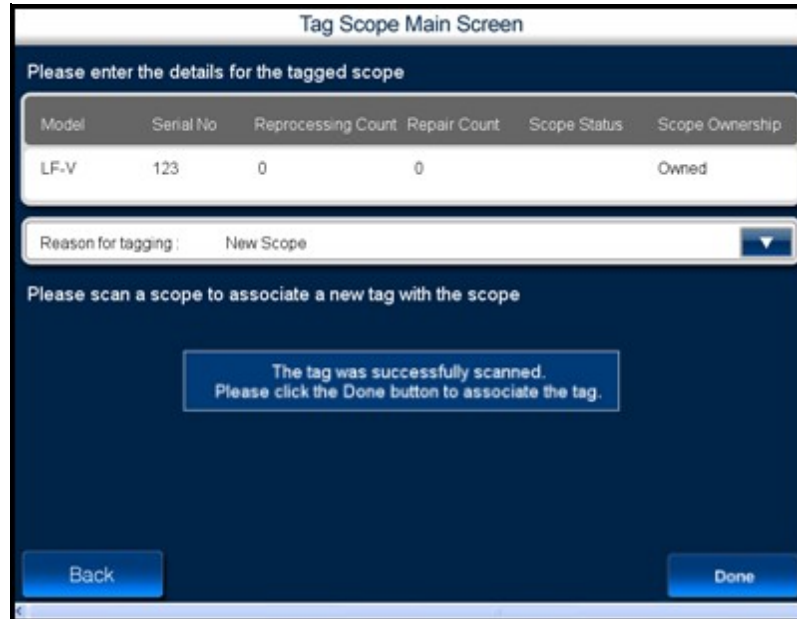


ILLUSTRATION 68: TAGGED SCOPE MAIN SCREEN

8. Press **Done**.

#### 4.6.2 Retagging a Scope

You can use this option to retag a scope.

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

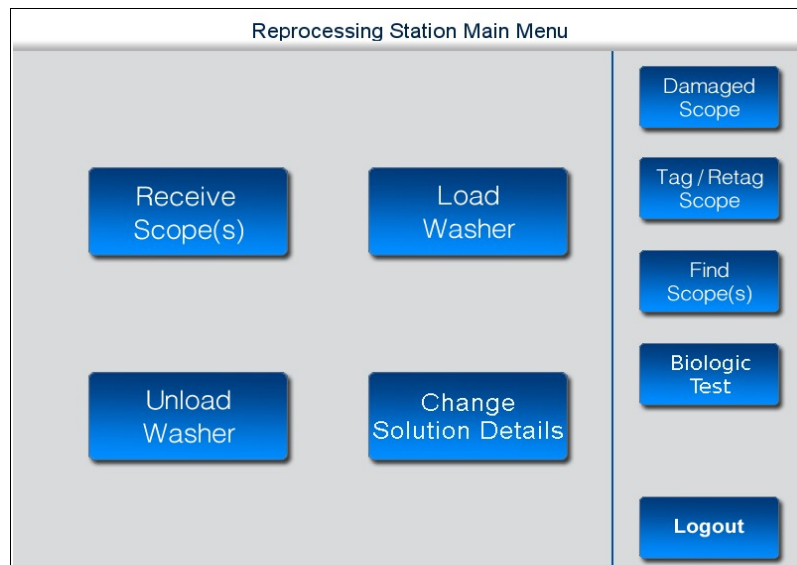


ILLUSTRATION 69: REPROCESSING STATION

2. Press **Tag/Retag Scopes (s)**.

The **Select Scope for Retagging** screen is displayed as shown in the following illustration.

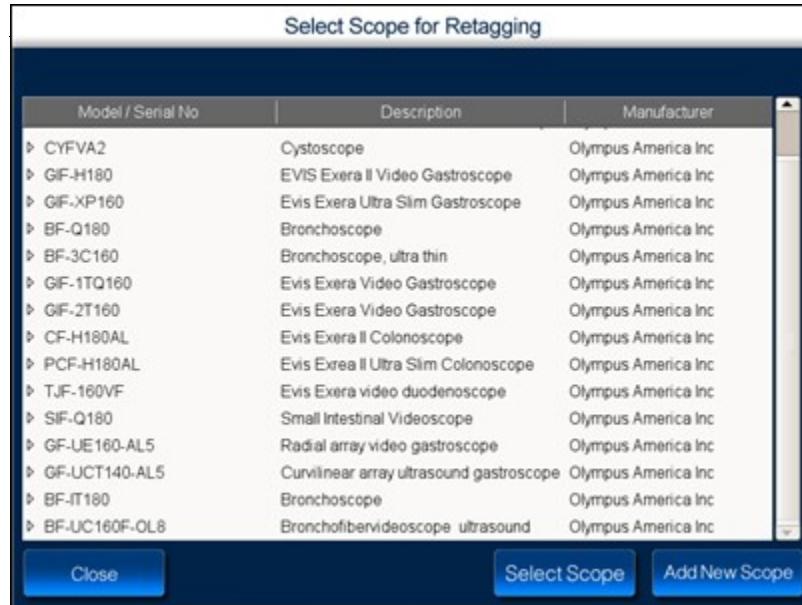


ILLUSTRATION 70: SELECT SCOPES FOR RETAGGING

3. Select the scope that you want to retag.
4. Press **Add New Scope**.

The **New Scope Screen** is displayed as shown in the following illustration.



ILLUSTRATION 71: ADD NEW SCOPE

For a description of fields in the above screen, see Table 6 on page 53.

5. Press **Next**.

The **Tag Scope Main Screen** is displayed as shown in the following illustration.

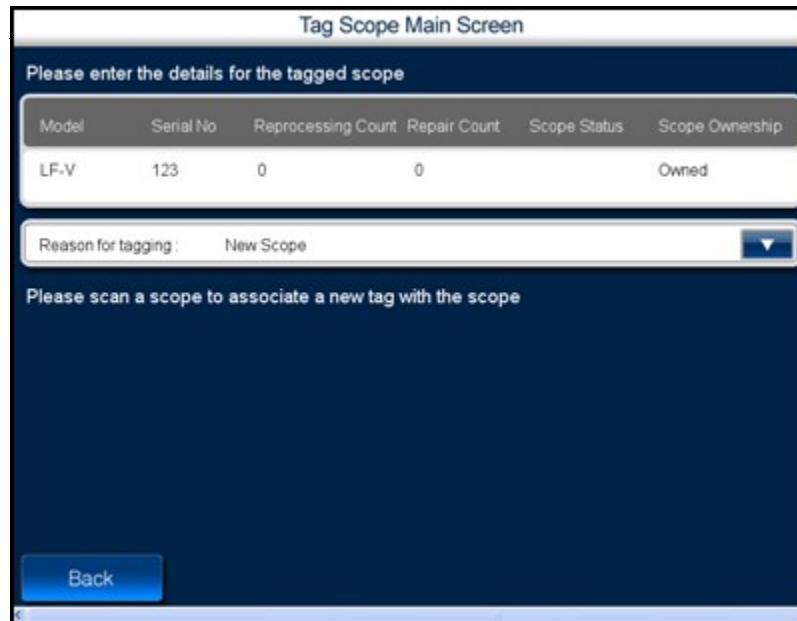


ILLUSTRATION 72: TAGGED SCOPE MAIN SCREEN

6. Select a reason for retagging the scope.
7. Attach a new RFID tag to the scope and scan the scope.

Details of the scanned scope are updated and displayed as shown in the following illustration.

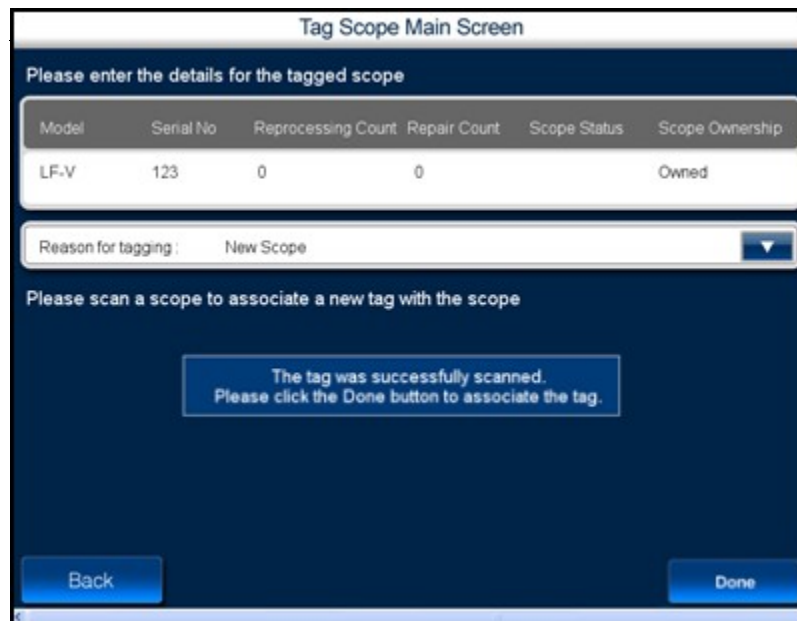


ILLUSTRATION 73: TAGGED SCOPE MAIN SCREEN

8. Press **Done**.

## 4.7 Damaged Scopes

### 4.7.1 Sending Scopes for Repair

You can use this option when you send damaged scopes for repair.

#### To send scopes for repair

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

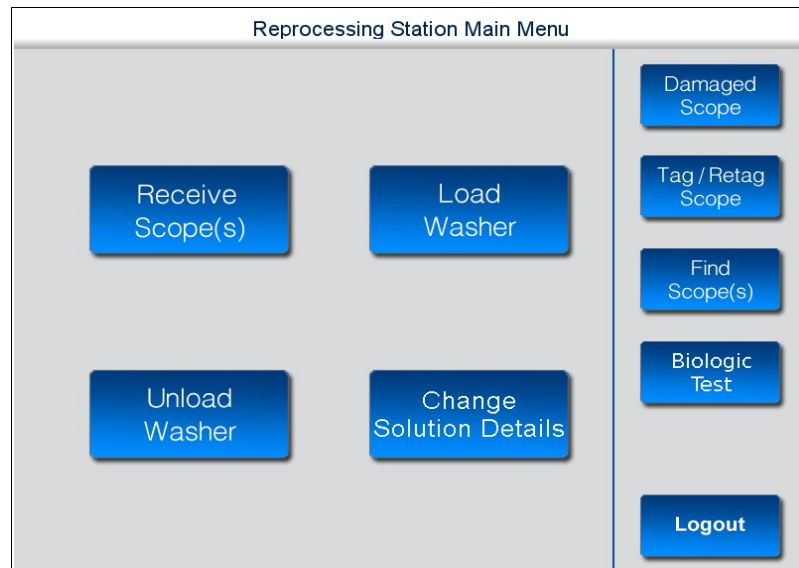


ILLUSTRATION 74: REPROCESSING STATION

2. Press **Damaged Scope (s)**.

The **Damaged Scope Screen** is displayed as shown in the following illustration.

The 'Damaged Scope Screen' displays a table for scope details and a form for repair details. The table has the following columns: Model, Serial No, Reprocessing Count, Repair Count, Scope Status, Service, and Most Recent Repair Date. Below the table, there is a form with the following fields: Employee Name (Pin, User), Reason For Repair (Holes), Person Requesting Repair (BORST, GEORGE C), and Repairing Entity (Olympus America Inc). The form also includes 'Back' and 'Done' buttons.

ILLUSTRATION 75: DAMAGED SCOPE SCREEN

- Using the RFID scanner, scan the damaged scope.

The details of the scanned scope are displayed as shown in the following illustration.

ILLUSTRATION 76: DAMAGED SCOPE SCREEN




Field	Description
<b>Model No</b>	Model number of the scanned scope.
<b>Serial No</b>	Serial number of the scanned scope.
<b>Reprocessing Count</b>	Number of times the scope was reprocessed.
<b>Repair Count</b>	Number of times the scope was repaired.
<b>Scope Status</b>	In Service, Damaged, End of Life, etc..
<b>Scope Ownership</b>	The type of ownership for scope. Owned – The scope is owned by the hospital. Loaner – The scope is procured by availing a loan .
<b>Most Recent Repair Date</b>	The most recent date on which scope was repaired. The date is displayed in mm/dd/yy format.
<b>Employee Name</b>	The name of the login user.
<b>Reason For Repair</b>	Press  to select a reason for repairing the scope.
<b>Person Requesting Repair</b>	Press  to select the name of the person requesting the repair of scope.
<b>Repair Entity</b>	Press  to select the manufacturer of scope.

TABLE 8: FIELD DESCRIPTION

4. Enter the other details of the scope.
5. When you complete entering all the details, press **Done**.

## 4.8 Biologic Test

You can use this option to confirm or record the Biologic/Daily Spore Test.

### To Confirm/Record Biologic Spore Test

1. Navigate to the **Reprocessing Station Main Menu** screen shown in the following illustration.

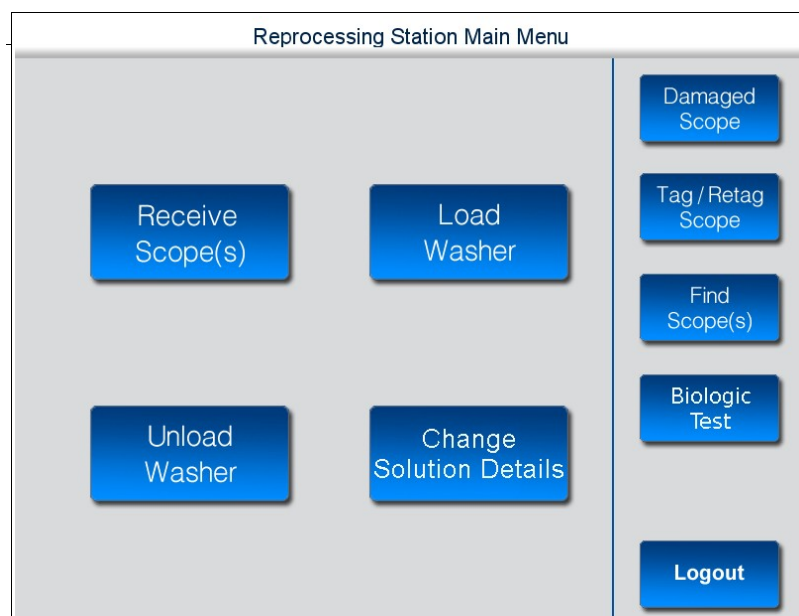


ILLUSTRATION 77: REPROCESSING STATION

2. Press Biologic Test.

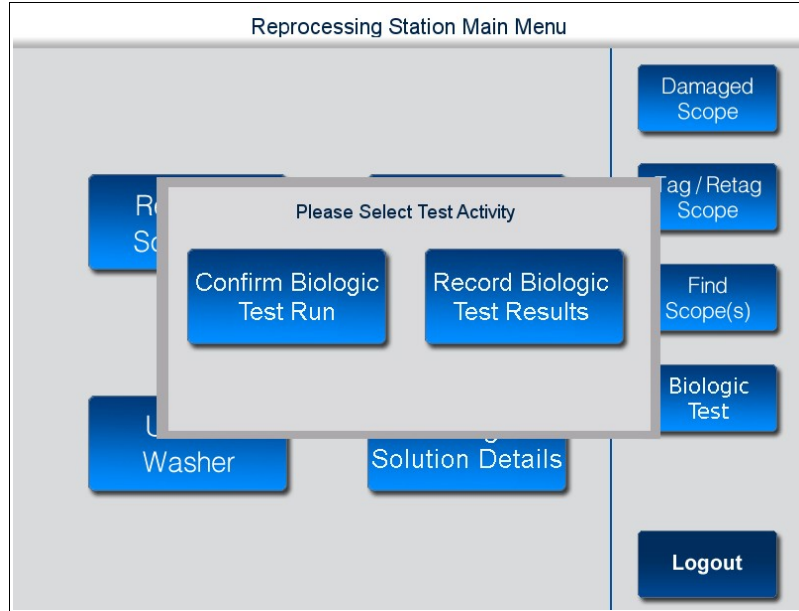


ILLUSTRATION 78: BIOLOGIC TEST MENU

#### 4.8.1 Confirm Biologic Spore Test

1. Press Confirm Biologic Test Run to confirm the Biologic Test.

The **Confirm Biologic Test Run** displayed as shown in the following illustration.

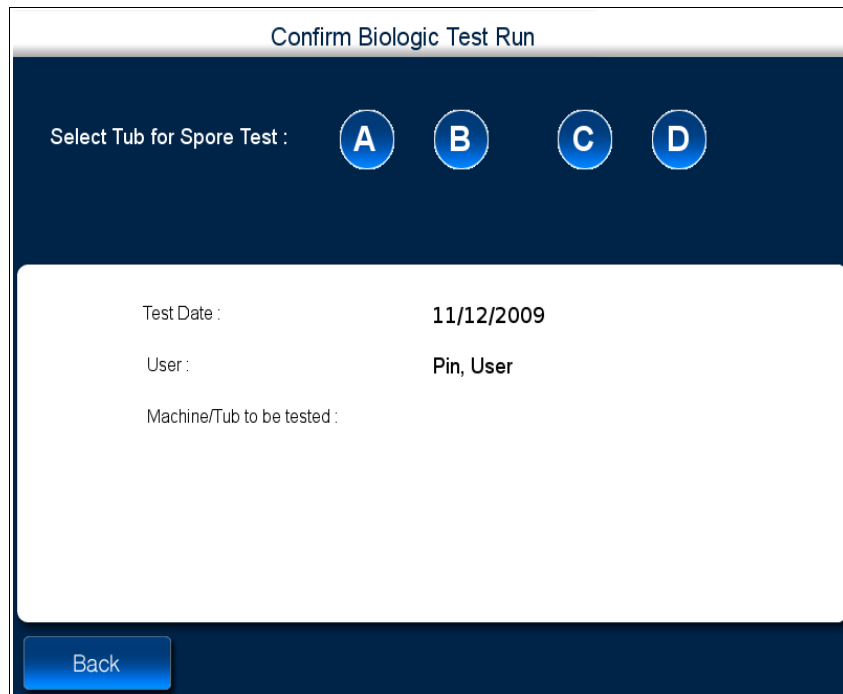


ILLUSTRATION 79: CONFIRM BIOLOGIC TEST RUN

2. Select the washer/bay you wish to use for confirming the test.  
After selecting the Washer/bay you can click on the **Done Button to confirm the Test**, else you can press the back button.

Confirm Biologic Test Run

Select Tub for Spore Test : **A** B C D

Test Date : 11/12/2009

User : Pin, User

Machine/Tub to be tested : A

Please click Done to confirm conduct of Test.

Back Done

ILLUSTRATION 80: CONFIRM BIOLOGIC TEST RUN

## 4.8.2 Record Biologic Spore Test

1. Press Record Biologic Test to record the Biologic Test.

Record Biologic (Spore) Test Results

Select Tub to Record Result : A B C D

Test Date : 2009 November 10

User : Pin, User

Machine/Tub which was tested :

Back

ILLUSTRATION 81: RECORD BIOLOGIC TEST RUN



2. Select Washer/Bay you wish to use for recording the test.

Record Biologic (Spore) Test Results

Select Tub to Record Result : **A** B C D

Test Date : 2009 November 10


User : Pin, User

Machine/Tub which was tested : A

PASS FAIL

Back

ILLUSTRATION 82: RECORD BIOLOGIC TEST RUN

3. Enter the appropriate date to record the conduct of test by clicking on the  icon.
4. Enter the result of the Biologic Test by clicking on the Pass/Fail Button.

# 5 Appendix

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This chapter, contains the following sections:

- RFID Technology in iRISCOPE™

## 5.1 RFID Technology in iRISCOPE™

### The Tag



- A tag is integrated into the existing scope
- The tag consists of a tiny chip attached to an antenna
- Data are written to and stored on the chip

### The Reader



- Each cabinet contains several readers
- The reader generates a radio field
- When the tag passes through this field, it becomes energized
- The energized tag transmits a radio signal, containing the data stored on the tag, back to the reader
- The reader receives and interprets the signal and data

### The Interface



- iRISCOPE™ can interface with all major applicable hospital systems (EMR, HIS, RIS, billing, materials, management, etc)
- In most RFID systems, the reader is connected to some back-end system that acts on the data captured by the reader. This could be a payment system, inventory tracking, etc