

THE LEADER IN ENTERAL NUTRITION AND DEVICES FOR MORE THAN 20 YEARS

**ROSS  
2006  
POCKET  
GUIDE**

 **ROSS**  
NUTRITION



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Every effort is made to ensure that all product information is accurate at the time of publication. However, this information is subject to change. Please refer to the product label for the most current ingredient, allergen, and nutrient profile information.

The HCPCS codes provided in this book are taken from government publications and are provided from information correct at the time of publication. They are provided for your information only. Health care providers are ultimately responsible for making appropriate product selections per individual patient and verifying that codes used for third-party billing are accurate for the items provided.

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**General Nutrition**

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**Oral Feeding Without Fiber**

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**Oral Feeding With Fiber**

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**Tube Feeding With Fiber**

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■ Pivot® 1.5 Cal . . . . .	74
■ Promote® With Fiber . . . . .	80
■ TwoCal® HN . . . . .	88
■ Vital jr.™ . . . . .	92

# Welcome to Ross Medical Nutritionals

Ross is THE world leader in adult nutritionals. Our state-of-the-art products include both nutritional products and devices. This product guide is provided to bring you medical nutrition information to help you with the care of your patients. We hope you find the content useful. Thank you for choosing Ross Products, the leader in enteral nutrition and devices for more than 20 years!

## Ordering Information

### ■ Hospitals

Hospitals and other institutions can order Ross products by calling toll-free **1-800-551-5838**.

### ■ Retailers

Use only retail list numbers for ordering; do not use the institutional list numbers. Retail list numbers are listed on page 132.

### ■ Patients

For convenient home delivery, patients can order Ross products online at **Ross.com** or by calling toll-free **1-800-986-8502**. Pay by VISA®, MasterCard®, Discover®, or check. Patients can receive more information about Ross products by calling **Ross Consumer Relations** at **1-800-227-5767**. To order JUVEN®, call toll-free **1-877-GO-JUVEN**.

## Visit **Ross.com** for:

- Ross Medical Nutritional Product Profiles
- Reimbursement Information
- Continuing Education

### **Use Under Medical Supervision**

Many Ross Medical Nutritional formulas are designed to meet specific needs of patients with certain conditions. However, the choice of the optimal product for a patient must be based on patient-specific information and good clinical judgment. Unless otherwise specified, the Ross products listed in this book are for adults and children 9 or more years of age.

### **Product Information**

Many Ross Medical Nutritional products are available in a variety of flavors and/or forms. Ingredient information is shown in this book only for primary flavors and forms, eg, Vanilla 8-fl-oz cans. Other flavors and forms may have minor ingredient differences. Check labels for the most current information on retail products.

### **Contacts**

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Fax: \_\_\_\_\_

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Fax: \_\_\_\_\_

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Fax: \_\_\_\_\_

# EleCare®

Nutritionally Complete  
Amino Acid-Based  
Medical Food and  
Infant Formula With Iron



## Usage

ELECARE unflavored is a nutritionally complete elemental formula specifically indicated for infants and children who need an amino acid-based medical food or who cannot tolerate intact or hydrolyzed protein. It is indicated for the nutritional management of protein maldigestion, malabsorption, severe food allergies, short-bowel syndrome, eosinophilic disorders, GI-tract impairment, or other conditions in which an amino acid-based diet is required.

- For oral or tube feeding
- Use under medical supervision
- Not for parenteral use

## Features

- Clinically documented to be hypoallergenic, virtually eliminating the potential for allergic reaction
- Clinically shown to support growth when used as a primary source of nutrition
- 100% free amino acids
- One-third of fat as medium-chain triglycerides, an easily digested and well-absorbed fat source
- Stringent manufacturing standards to reduce risk of whole-protein contamination
- Does not contain milk protein, soy protein, fructose, galactose, lactose, or gluten

## Availability

Flavor	List No.	NDC Format Code
— Powder: 14.1-oz (400-g) cans (measuring scoop enclosed); 6 per case		
Unflavored . . . . .	54665 . . . . .	70074-0546-66



Technical Nutrition Data		Nutrition Information		Nutrition Information	
		100 Cal Prepared (21.05 g Powder)			100 Cal Prepared (21.05 g Powder)
Protein (% Cal)	15	Calories	100	Sodium, mg	45
Carbohydrate (% Cal)	43	Protein Equivalent, g	3.01	Sodium, mEq	2.0
Fat (% Cal)	42	Carbohydrate, g	10.7	Potassium, mg	150
Water, g (Prepared)		Fat, g	4.76	Potassium, mEq	3.9
20 Cal/fl oz	131	Source: High Oleic Safflower, Medium Chain		Chloride, mg	60
30 Cal/fl oz	81	Triglycerides, Soy Oils		Chloride, mEq	1.7
Gluten-Free	Yes	Ratio	39:33:28	Calcium, mg	108
Lactose-Free	Yes	Linoleic Acid, mg	800	Calcium, mEq	5.4
Osmolality, mOsm/kg H <sub>2</sub> O		Vitamin A, IU	273	Phosphorus, mg	81
20 Cal/fl oz	350	Vitamin D, IU	42	Magnesium, mg	8.0
30 Cal/fl oz	560	Vitamin E, IU	2.1	Iodine, mcg	7
Renal Solute Load, mOsm/L		Vitamin K, mcg	6	Manganese, mcg	93
20 Cal/fl oz	184	Vitamin C, mg	9	Copper, mcg	126
30 Cal/fl oz	273	Folic Acid, mcg	29.5	Zinc, mg	1.1
		Thiamin (Vit B <sub>1</sub> ), mcg	210	Iron, mg	1.8
		Riboflavin (Vit B <sub>2</sub> ), mcg	105	Selenium, mcg	2.3
		Vitamin B <sub>6</sub> , mcg	101	Chromium, mcg	2.3
		Vitamin B <sub>12</sub> , mcg	0.42	Molybdenum, mcg	2.5
		Niacin, mcg	1680		
		Biotin, mcg	4.2		
		Pantothenic Acid, mcg	421		
		Choline, mg	8		
		Inositol, mg	5.1		

## ELECare

### Ingredients

**(Unflavored Powder):** Corn Syrup Solids, High Oleic Safflower Oil, Medium Chain Triglycerides, Soy Oil; **Less than 2% of the following:** L-Glutamine, L-Asparagine Monohydrate, L-Leucine, DATEM (an emulsifier), L-Lysine Acetate, Calcium Phosphate Tribasic, Potassium Phosphate Dibasic, L-Valine, L-Isoleucine, L-Arginine, L-Phenylalanine, L-Tyrosine, Sodium Citrate, L-Threonine, Potassium Citrate, L-Proline, L-Serine, L-Alanine, Ascorbic Acid, Glycine, L-Histidine, L-Methionine, Magnesium Chloride, L-Cystine Dihydrochloride, L-Tryptophan, Calcium Carbonate, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Salt (Sodium Chloride), Ascorbyl Palmitate, L-Carnitine, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Manganese Sulfate, Vitamin A Palmitate, Beta-Carotene, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Biotin, Phylloquinone, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Vitamin D<sub>3</sub>, and Cyanocobalamin.  
(FAN 9302-02)

**HCPCS Code B4161**

**www.Ross.com**

**www.Ross.com/Reimbursement**

# EleCare®

Nutritionally Complete  
Amino Acid-Based  
Medical Food



## Usage

ELECARE vanilla is a nutritionally complete elemental formula specifically indicated for children age 1 year and older who need an amino acid-based medical food or who cannot tolerate intact or hydrolyzed protein. ELECARE vanilla provides the same nutrition as unflavored ELECARE but has improved taste and aroma. ELECARE vanilla is indicated for the nutritional management of protein maldigestion, malabsorption, severe food allergies, short-bowel syndrome, eosinophilic disorders, GI-tract impairment, or other conditions in which an amino acid-based diet is required.

- For oral or tube feeding
- Use under medical supervision
- Not for parenteral use

## Features

- Clinically documented to be hypoallergenic, virtually eliminating the potential for allergic reaction
- Clinically shown to support growth when used as a primary source of nutrition
- 100% free amino acids
- One-third of fat as medium-chain triglycerides, an easily digested and well-absorbed fat source
- Stringent manufacturing standards to reduce risk of whole-protein contamination
- Does not contain milk protein, soy protein, fructose, galactose, lactose, or gluten

## Availability

Flavor	List No.	NDC Format Code
— Powder: 14.1-oz (400-g) cans (measuring scoop enclosed); 6 per case		
Vanilla . . . . .	59405. . .	0-70074-0594-06

Technical Nutrition Data		Nutrition Information		100 g Powder	
Protein (% Cal)	12	Calories	475	Sodium, mg	215
Carbohydrate	43	Protein Equivalent, g	14.3	Sodium, mEq	9.4
Fat (% Cal)	42	Carbohydrate, g	51	Potassium, mg	715
Water, g (Prepared)		Fat, g	22.6	Potassium, mEq	18.3
20 Cal/fl oz	131	Source: High Oleic Safflower, Medium Chain		Chloride, mg	285
30 Cal/fl oz	81	Triglycerides, Soy Oils		Calcium, mg	8.0
Gluten-Free	Yes	Ratio	39:33:28	Phosphorus, mg	515
Lactose-Free	Yes	Linoleic Acid, mg	3800	Magnesium, mg	385
Osmolality, mOsm/kg H <sub>2</sub> O		Vitamin A, IU	1300	Iodine, mcg	40
20 Cal/fl oz	350	Vitamin D, IU	200	Manganese, mcg	34
30 Cal/fl oz	560	Vitamin E, IU	10.0	Copper, mcg	442
Renal Solute Load, mOsm/L		Vitamin K, mcg	30	Zinc, mg	600
20 Cal/fl oz	184	Vitamin C, mg	43	Iron, mg	5.3
30 Cal/fl oz	273	Folic Acid, mcg	140	Selenium, mcg	8.4
		Thiamin (Vit B <sub>1</sub> ), mcg	1000	Chromium, mcg	11
		Riboflavin (Vit B <sub>2</sub> ), mcg	500	Molybdenum, mcg	11
		Vitamin B <sub>6</sub> , mcg	480		12
		Vitamin B <sub>12</sub> , mcg	2.0		
		Niacin, mcg	8000		
		Biotin, mcg	20		
		Pantothenic Acid, mcg	2000		
		Choline, mg	38		
		Inositol, mg	24		

**ELECARE  
Ingredients**

**(Vanilla Powder):** Corn Syrup Solids, High Oleic Safflower Oil, Medium Chain Triglycerides, Soy Oil; **Less than 2% of the following:** L-Glutamine, L-Asparagine Monohydrate, L-Leucine, DATEM (an emulsifier), L-Lysine Acetate, Calcium Phosphate, L-Valine, Potassium Phosphate, Artificial Flavor, L-Isoleucine, L-Arginine, L-Phenylalanine, L-Tyrosine, Sodium Citrate, L-Threonine, Potassium Citrate, L-Proline, L-Serine, L-Alanine, Glycine, L-Histidine, L-Methionine, Ascorbic Acid, Magnesium Chloride, L-Cystine Dihydrochloride, L-Tryptophan, Calcium Carbonate, Taurine, Choline Chloride, Salt (Sodium Chloride), m-Inositol, Acesulfame K, Ferrous Sulfate, Ascorbyl Palmitate, L-Carnitine, Zinc Sulfate, Sucralose, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Manganese Sulfate, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Biotin, Phylloquinone, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Vitamin D<sub>3</sub>, and Cyanocobalamin.  
(FAN 9393-01)

**HCPCS Code B4161**  
**www.Ross.com**  
**www.Ross.com/Reimbursement**

# Enlive!®

Clear Liquid Nutrition



## Usage

ENLIVE! is a high-calorie, fat-free alternative to sweeter-tasting creamy supplements. ENLIVE! is an ideal choice for patients with cancer or those on clear-liquid, pre- and postsurgical, bowel-prep, fat-malabsorptive, fat-restricted, low-sodium, or low-cholesterol diets.

- For oral use only
- Not for sole-source nutrition
- Not for parenteral use

## Features

- Excellent source of protein—10 g/8.1 fl oz
- Clear liquid nutrition
- Fortified with 20 essential vitamins and minerals
- Refreshing tangy flavors provide taste alternative
- Ready to use
- Kosher
- Gluten-free
- Lactose-free

## Availability

Flavor	List No.	NDC Format Code
<b>— 8.1-fl-oz brik packs; 27 brik packs/case</b>		
Apple	54775	70074-0547-77
Peach	54778	70074-0547-80

Technical Nutrition Data		Nutrition Information			Nutrition Information		
		(Apple)	8.1 fl oz	% RDI		8.1 fl oz	% RDI
Nutrient Density (Cal/mL)	1.25	Calories	300		Potassium, mg	40	Not est.
Protein (% Cal)	13.3	Protein, g	10		Potassium, mEq	1.0	
Carbohydrate (% Cal)	87	Total Carbohydrate, g	65		Chloride, mg	310	9
Fat (% Cal)	0	Dietary Fiber, g	0		Chloride, mEq	8.7	
Kosher	Yes	Sugars, g	15		Calcium, mg	60	6
Gluten-Free	Yes	Total Fat, g	0		Phosphorus, mg	20	2
Lactose-Free	Yes	Saturated Fat, g	0		Magnesium, mg	8.0	2
Low-Residue	Yes	Trans Fat, g	0		Iodine, mcg	45	30
pH	3.1	Cholesterol, mg	<5		Manganese, mg	0.90	45
Osmolality, mOsm/kg H <sub>2</sub> O	825	Water, g/mL/cc	192		Copper, mg	0.30	15
Viscosity		Vitamin A, IU	1250	25	Zinc, mg	3.8	25
Thin (Room Temperature)		Vitamin D, IU	60	15	Iron, mg	2.7	15
Thin (Chilled)		Vitamin E, IU	9.0	30	Selenium, mcg	14	20
		Vitamin K, mcg	20	25	Chromium, mcg	18	15
		Vitamin C, mg	24	40	Molybdenum, mcg	32	43
		Folic Acid, mcg	60	15			
		Thiamin (Vit B <sub>1</sub> ), mg	0.38	25			
		Riboflavin (Vit B <sub>2</sub> ), mg	0.34	20			
		Vitamin B <sub>6</sub> , mg	0.40	20			
		Vitamin B <sub>12</sub> , mcg	1.2	20			
		Niacin, mg	2.0	10			
		Biotin, mcg	30	10			
		Pantothenic Acid, mg	0.80	8			
		Sodium, mg	60	Not est.			
		Sodium, mEq	2.6				

## ENLIVE Ingredients

**(Apple):** Ⓢ-D Water, Corn Maltodextrin, Sugar (Sucrose), Whey Protein Isolate, Hydrochloric Acid, Citric Acid, Malic Acid, Natural and Artificial Flavor, Ascorbic Acid, Caramel Color, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Manganese Sulfate, Calcium Pantothenate, Copper Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Folic Acid, Chromium Chloride, Sodium Molybdate, Biotin, Potassium Iodide, Sodium Selenate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 7953-02)

**Contains milk ingredients.**

HCPCS Code B4102  
www.Ross.com  
www.Ross.com/Reimbursement

# Ensure®

Complete, Balanced Nutrition®



## Usage

Rich, creamy-tasting ENSURE provides a source of complete, balanced nutrition for supplemental use with or between meals and for interim sole-source feeding. ENSURE can benefit patients who are at nutritional risk, experiencing involuntary weight loss, recovering from illness or surgery, or on modified or low-residue diets.

- For oral use
- For interim sole-source feeding
- Not for parenteral use

\* The ChefsBest™ Award for Best Taste is awarded to the brand rated highest overall among leading brands by independent professional chefs.

## Features

- Excellent source of 24 essential vitamins and minerals
- Low in saturated fat (1 g/8 fl oz)
- Kosher
- Lactose- and gluten-free
- Low-residue

**Availability** (See page 132 for retail list numbers.)

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Homemade Vanilla . . . . .	50460 . . . . .	70074-0504-61
Creamy Milk Chocolate . . . . .	50462 . . . . .	70074-0504-63
Butter Pecan . . . . .	51892 . . . . .	70074-0518-93
Strawberries & Cream . . . . .	50648 . . . . .	70074-0506-49
Coffee Latte . . . . .	51738 . . . . .	70074-0517-39
<b>— 8-fl-oz reclosable bottles; 24/case</b>		
Homemade Vanilla . . . . .	58297 . . . . .	70074-0582-96
Creamy Milk Chocolate . . . . .	58293 . . . . .	70074-0582-94
Strawberries & Cream . . . . .	58295 . . . . .	70074-0582-98
<b>— 32-fl-oz bottles; 6/case</b>		
Homemade Vanilla . . . . .	58264 . . . . .	70074-0582-65

Technical Nutrition Data		Nutrition Information (Homemade Vanilla)			Nutrition Information		
		8 fl oz	% RDI		8 fl oz	% RDI	
Nutrient Density (Cal/mL)	1.06	Calories	250	Pantothenic Acid, mg	2.5	25	
Protein (% Cal)	14.4	Protein, g	9.0	Sodium, mg	200	Not est.	
Carbohydrate (% Cal)	64.0	Total Carbohydrate, g	40.0	Sodium, mEq	8.7		
Fat (% Cal)	21.6	Dietary Fiber, g	0	Potassium, mg	370	Not est.	
Cal to meet 100% RDIs	1000	Sugars, g	18	Potassium, mEq	9.5		
mL to meet 100% RDIs	948	Total Fat, g	6.0	Chloride, mg	310	10	
Kosher	Yes	Saturated Fat, g	1	Chloride, mEq	8.9		
Gluten-Free	Yes	Trans Fat, g	0	Calcium, mg	300	30	
Lactose-Free	Yes	Polyunsaturated Fat, g	3	Phosphorus, mg	250	25	
Low-Residue	Yes	Monounsaturated Fat, g	2	Magnesium, mg	100	25	
Total Cal/g Nitrogen	178:1	Cholesterol, mg	<5	Iodine, mcg	38	25	
Nonprotein Cal/g Nitrogen	153:1	Water, g/mL/cc	200	Manganese, mg	1.2	60	
Osmolality, mOsm/kg H <sub>2</sub> O		Vitamin A, IU	1250	Copper, mg	0.50	25	
600 (bottle) 590 (can)		Vitamin D, IU	100	Zinc, mg	3.8	25	
Renal Solute Load, mOsm/L	325	Vitamin E, IU	7.5	Iron, mg	4.5	25	
Viscosity		Vitamin K, mcg	20	Selenium, mcg	18	25	
Thin (Room Temperature)		Vitamin C, mg	30	Chromium, mcg	30	25	
Thin (Chilled)		Folic Acid, mcg	100	Molybdenum, mcg	38	50	
		Thiamin (Vit B <sub>1</sub> ), mg	0.38				
		Riboflavin (Vit B <sub>2</sub> ), mg	0.43				
		Vitamin B <sub>6</sub> , mg	0.50				
		Vitamin B <sub>12</sub> , mcg	1.5				
		Niacin, mg	5.0				
		Choline, mg	83			Not est.	
		Biotin, mcg	75			25	

## ENSURE

### Ingredients

**(Homemade Vanilla, Can):** Ⓢ-D Water, Sugar (Sucrose), Corn Syrup, Corn Maltodextrin, Calcium Caseinate, Soy Oil, Soy Protein Isolate, Corn Oil, Whey Protein Concentrate, Canola Oil, Potassium Citrate, Calcium Phosphate, Magnesium Phosphate, Natural and Artificial Flavor, Soy Lecithin, Sodium Citrate, Magnesium Chloride, Salt (Sodium Chloride), Choline Chloride, Carrageenan, Ascorbic Acid, Potassium Chloride, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Zinc Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Sodium Selenate, Potassium Iodide, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8064-05)

#### Contains milk and soy ingredients.

**(Bottle):** Ⓢ-D Water, Sugar (Sucrose), Corn Maltodextrin, Milk Protein Isolate, Soy Oil, Corn Oil, Canola Oil, Soy Protein Concentrate, Potassium Citrate, Natural and Artificial Flavor, Magnesium Phosphate, Sodium Citrate, Soy Lecithin, Calcium Phosphate, Magnesium Chloride, Salt (Sodium Chloride), Choline Chloride, Carrageenan, Ascorbic Acid, Potassium Chloride, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Zinc Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Sodium Selenate, Phylloquinone, Potassium Iodide, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8005-04)

#### Contains milk and soy ingredients.

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# Ensure® Fiber

Complete, Balanced Nutrition®  
with FOS



 NutraFlora®  
PREBIOTIC • SOLUBLE FIBER



## Usage

ENSURE FIBER with FOS is a source of complete, balanced nutrition for patients who can benefit from increased dietary fiber and nutrients. The fiber blend with fructooligosaccharides (FOS), a prebiotic, helps maintain digestive-tract health. ENSURE FIBER with FOS can benefit patients who are on modified diets, at nutritional risk, experiencing involuntary weight loss, or recovering from illness or surgery.

- For oral use
- For interim sole-source feeding
- Not for parenteral use

## Features

- Provides 2.8 g total dietary fiber/8 fl oz
- Includes 1 g of NutraFlora® FOS/8 fl oz. FOS (a nondigestible carbohydrate) help promote natural defenses in the colon. (See page 113 for more about FOS.)
- Excellent source of 24 essential vitamins and minerals
- Lactose- and gluten-free
- Kosher

**Availability** (See page 132 for retail list numbers.)

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— 8-fl-oz cans; 24/case

Homemade Vanilla . . . . .50650 . . . . . 70074-0506-51  
Creamy Milk Chocolate . . . . .55314 . . . . . 70074-0553-15

\* The ChefsBest™ Award for Best Taste is awarded to the brand rated highest overall among leading brands by independent professional chefs.



Technical Nutrition Data		Nutrition Information (Homemade Vanilla)			Nutrition Information		
		8 fl oz	% RDI	8 fl oz	% RDI		
Nutrient Density (Cal/mL)	1.06	Calories	250	Biotin, mcg	75	25	
Protein (% Cal)	14.3	Protein, g	8.8	Pantothenic Acid, mg	2.5	25	
Carbohydrate (% Cal)	64.3	Total Carbohydrate, g	42.0	Sodium, mg	200	Not est.	
Fat (% Cal)	21.4	Dietary Fiber, g	2.8	Sodium, mEq	8.7		
Cal to meet 100% RDIs	1000	FOS, g	1.0	Potassium, mg	370	Not est.	
mL to meet 100% RDIs	948	Sugars, g	14	Potassium, mEq	9.5		
Kosher	Yes	Total Fat, g	6.1	Chloride, mg	320	10	
Gluten-Free	Yes	Saturated Fat, g	1	Chloride, mEq	9.0		
Lactose-Free	Yes	Trans Fat, g	0	Calcium, mg	350	35	
Low-Residue	No	Polyunsaturated Fat, g	3	Phosphorus, mg	300	30	
Total Cal/g Nitrogen	178:1	Monounsaturated Fat, g	2	Magnesium, mg	100	25	
Nonprotein Cal/g Nitrogen	158:1	Cholesterol, mg	<5	Iodine, mcg	38	25	
Osmolality, mOsm/kg H <sub>2</sub> O	500	Water, g/mL/cc	195	Manganese, mg	1.2	60	
Renal Solute Load, mOsm/L	326	Vitamin A, IU	1250	Copper, mg	0.50	25	
Viscosity		Vitamin D, IU	100	Zinc, mg	3.8	25	
Thin (Room Temperature)		Vitamin E, IU	7.5	Iron, mg	4.5	25	
Thin (Chilled)		Vitamin K, mcg	20	Selenium, mcg	18	25	
		Vitamin C, mg	30	Chromium, mcg	30	25	
		Folic Acid, mcg	100	Molybdenum, mcg	38	50	
		Thiamin (Vit B <sub>1</sub> ), mg	0.38				
		Riboflavin (Vit B <sub>2</sub> ), mg	0.43				
		Vitamin B <sub>6</sub> , mg	0.50				
		Vitamin B <sub>12</sub> , mcg	1.5				
		Niacin, mg	5.0				
		Choline, mg	100				

## ENSURE FIBER

### Ingredients

**(Homemade Vanilla):** Ⓢ-D Water, Corn Maltodextrin, Sugar (Sucrose), Sodium and Calcium Caseinates, Soy Oil, Soy Protein Isolate, Corn Oil, Oat Fiber, Fructooligosaccharides, Canola Oil, Soy Fiber, Calcium Phosphate, Magnesium Chloride, Potassium Citrate, Cellulose Gel, Soy Lecithin, Potassium Phosphate, Sodium Citrate, Natural and Artificial Flavors, Magnesium Phosphate, Choline Chloride, Ascorbic Acid, Cellulose Gum, Carrageenan, Potassium Chloride, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, Niacinamide, Manganese Sulfate, Calcium Pantothenate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 7954-01)

**Contains milk and soy ingredients.**

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# Ensure® High Calcium

Complete, Balanced Nutrition®



## Usage

ENSURE HIGH CALCIUM is a source of complete, balanced nutrition for supplemental use with or between meals. ENSURE HIGH CALCIUM may be useful for patients who are at risk for fractures; need extra protein, calcium, vitamin D, and other nutrients; are recovering from surgery; or want a convenient way to add calcium to their diets.

- For oral use
- Not for parenteral use

\* The ChefsBest™ Award for Best Taste is awarded to the brand rated highest overall among leading brands by independent professional chefs.

## Features

- Excellent source of 24 essential vitamins and minerals
- 500 mg calcium/8 fl oz to help build strong bones; 50% of the RDI for calcium
- 50% of the RDI for vitamin D/8 fl oz, which aids in calcium absorption
- 25% of the RDI/8 fl oz for phosphorus and magnesium, which partner with calcium and other nutrients in bone structure
- Kosher
- Lactose- and gluten-free
- Low-residue

**Availability** (See page 132 for retail list numbers.)

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code

— 8-fl-oz bottles; 24/case

Homemade Vanilla Shake . . . . . 70074-0577-91

Creamy Milk Chocolate Shake . . . . . 70074-0548-26

Technical Nutrition Data		Nutrition Information (Homemade Vanilla Shake)			Nutrition Information		
		8 fl oz	% RDI		8 fl oz	% RDI	
Nutrient Density (Cal/mL)	0.95	Calories	220	Biotin, mcg	75	25	
Protein (% Cal)	18.3	Protein, g	10	Pantothenic Acid, mg	2.5	25	
Carbohydrate (% Cal)	56.9	Total Carbohydrate, g	31	Sodium, mg	290	Not est.	
Fat (% Cal)	24.8	Dietary Fiber, g	0	Sodium, mEq	12.6		
Kosher	Yes	FOS, g	0	Potassium, mg	500	Not est.	
Gluten-Free	Yes	Sugars, g	19	Potassium, mEq	12.8		
Lactose-Free	Yes	Total Fat, g	6	Chloride, mg	320	10	
Low-Residue	Yes	Saturated Fat, g	1	Chloride, mEq	9.0		
Total Cal/g Nitrogen	138:1	<i>Trans</i> Fat, g	0	Calcium, mg	500	50	
Nonprotein Cal/g Nitrogen	111:1	Polyunsaturated Fat, g	3	Phosphorus, mg	250	25	
Osmolality, mOsm/kg H <sub>2</sub> O	540	Monounsaturated Fat, g	2	Magnesium, mg	100	25	
Renal Solute Load, mOsm/L	392	Cholesterol, mg	<5	Iodine, mcg	38	25	
Viscosity		Water, g/mL/cc	200	Manganese, mg	1.2	60	
Thin (Room Temperature)		Vitamin A, IU	1250	Copper, mg	0.50	25	
Thin (Chilled)		Vitamin D, IU	500	Zinc, mg	5.7	40	
		Vitamin E, IU	20	Iron, mg	4.5	25	
		Vitamin K, mcg	40	Selenium, mcg	18	25	
		Vitamin C, mg	42	Chromium, mcg	30	25	
		Folic Acid, mcg	120	Molybdenum, mcg	38	50	
		Thiamin (Vit B <sub>1</sub> ), mg	0.38				
		Riboflavin (Vit B <sub>2</sub> ), mg	0.43				
		Vitamin B <sub>6</sub> , mg	0.50				
		Vitamin B <sub>12</sub> , mcg	1.8				
		Niacin, mg	5.0				
		Choline, mg	110			Not est.	

## ENSURE HIGH CALCIUM Ingredients

### (Homemade Vanilla Shake):

①-D Water, Sugar (Sucrose), Corn Maltodextrin, Calcium and Sodium Caseinates, Soy Oil, Soy Protein Concentrate, Corn Oil, Canola Oil, Artificial Flavor, Soy Lecithin, Carrageenan, and Gellan Gum.

### Vitamins and Minerals

Potassium Citrate, Calcium Phosphate, Sodium Citrate, Magnesium Chloride, Magnesium Phosphate, Calcium Carbonate, Sodium Chloride, Choline Chloride, Ascorbic Acid, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin.  
(FAN 8064-02)

**Contains milk and soy ingredients.**

HCPCS Code B4150

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# Ensure® High Protein

Complete, Balanced Nutrition®



## Usage

ENSURE HIGH PROTEIN is a source of complete, balanced nutrition for patients who need extra protein and other nutrients in their diet. ENSURE HIGH PROTEIN is suitable for use by patients recovering from general surgery or hip or other fractures, and is a good source of nutrition for those who have or are at risk for pressure ulcers.

- For oral use
- For interim sole-source feeding
- Not for parenteral use

\* The ChefsBest™ Award for Best Taste is awarded to the brand rated highest overall among leading brands by independent professional chefs.

## Features

- 12 g protein/8 fl oz
- Excellent source of 24 essential vitamins and minerals
- Kosher
- Lactose- and gluten-free
- Low-residue

**Availability** (See page 132 for retail list numbers.)

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— 8-fl-oz cans; 24/case

Homemade Vanilla . . . . .	52100 . . . . .	70074-0521-01
Creamy Milk Chocolate . . . . .	52098 . . . . .	70074-0520-99
Wild Berry . . . . .	52104 . . . . .	70074-0521-05

Technical Nutrition Data		Nutrition Information		Nutrition Information	
		8 fl oz	% RDI	8 fl oz	% RDI
Nutrient Density (Cal/mL)	0.97	Calories	230	Biotin, mcg	75 25
Protein (% Cal)	21.2	Protein, g	12	Pantothenic Acid, mg	2.5 25
Carbohydrate (% Cal)	54.9	Total Carbohydrate, g	31	Sodium, mg	290 Not est.
Fat (% Cal)	23.9	Dietary Fiber, g	0	Sodium, mEq	12.6
Kosher	Yes	FOS, g	0	Potassium, mg	500 Not est.
Gluten-Free	Yes	Sugars, g	19	Potassium, mEq	12.8
Lactose-Free	Yes	Total Fat, g	6	Chloride, mg	375 10
Low-Residue	Yes	Saturated Fat, g	1	Chloride, mEq	10.6
Total Cal/g Nitrogen	120:1	Trans Fat, g	0	Calcium, mg	300 30
Nonprotein Cal/g Nitrogen	93:1	Polyunsaturated Fat, g	3	Phosphorus, mg	250 25
Osmolality, mOsm/kg H <sub>2</sub> O	610	Monounsaturated Fat, g	2	Magnesium, mg	100 25
Renal Solute Load, mOsm/8 fl oz	440	Cholesterol, mg	<5	Iodine, mcg	38 25
Viscosity		Water, g/mL/cc	203	Manganese, mg	1.2 60
Thin (Room Temperature)		Vitamin A, IU	1250 25	Copper, mg	0.50 25
Thin (Chilled)		Vitamin D, IU	100 25	Zinc, mg	5.7 40
		Vitamin E, IU	12 40	Iron, mg	4.5 25
		Vitamin K, mcg	20 25	Selenium, mcg	18 25
		Vitamin C, mg	30 50	Chromium, mcg	30 25
		Folic Acid, mcg	100 25	Molybdenum, mcg	38 50
		Thiamin (Vit B <sub>1</sub> ), mg	0.38 25		
		Riboflavin (Vit B <sub>2</sub> ), mg	0.43 25		
		Vitamin B <sub>6</sub> , mg	0.50 25		
		Vitamin B <sub>12</sub> , mcg	1.5 25		
		Niacin, mg	5.0 25		
		Choline, mg	100 Not est.		

## ENSURE HIGH PROTEIN Ingredients

**(Homemade Vanilla):** ①-D Water, Sugar (Sucrose), Corn Maltodextrin, Calcium and Sodium Caseinates, Soy Oil, Soy Protein Isolate, Corn Oil, Potassium Citrate, Canola Oil, Calcium Phosphate, Sodium Citrate, Magnesium Chloride, Magnesium Phosphate, Artificial Flavor, Salt (Sodium Chloride), Soy Lecithin, Choline Chloride, Ascorbic Acid, Carrageenan, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Gellan Gum, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8064-07)

**Contains milk and soy ingredients.**

HCPCS Code B4150  
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# Ensure® Plus

Complete, Balanced Nutrition®



## Usage

ENSURE PLUS is a source of complete, balanced nutrition that provides concentrated calories and protein to help patients gain or maintain healthy weight. It can be used with or between meals or as a meal replacement.

- For oral use
- For interim sole-source feeding
- For those who have fluid restrictions or require volume-limited feedings
- Not for parenteral use

## Features

- 650 mg omega-3 fatty acid ALA (40% of 1.6 g DV) to support heart health
- Excellent source of 24 essential vitamins and minerals

- Source of antioxidants selenium and vitamins C and E to help strengthen the immune system
- Low in cholesterol
- Kosher
- Lactose- and gluten-free
- Low-residue

**Availability** (See page 133 for retail list numbers.)

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Homemade Vanilla . . . . .	50464 . . . . .	70074-0504-65
Creamy Milk Chocolate . . . . .	50466 . . . . .	70074-0504-67
Butter Pecan . . . . .	51894 . . . . .	70074-0518-95
Strawberries & Cream . . . . .	50646 . . . . .	70074-0506-47
Coffee Latte . . . . .	51740 . . . . .	70074-0517-41
<b>— 8-fl-oz bottles; 24/case</b>		
Homemade Vanilla . . . . .	58303 . . . . .	70074-0583-02
Creamy Milk Chocolate . . . . .	58299 . . . . .	70074-0583-00
Strawberries & Cream . . . . .	58301 . . . . .	70074-0583-04
<b>— 32-fl-oz bottles; 6/case</b>		
Homemade Vanilla . . . . .	58251 . . . . .	70074-0582-52
Creamy Milk Chocolate . . . . .	58262 . . . . .	70074-0582-63

\* The ChefsBest™ Award for Best Taste is awarded to the brand rated highest overall among leading brands by independent professional chefs.

Technical Nutrition Data		Nutrition Information		Nutrition Information	
		8 fl oz	% RDI	8 fl oz	% RDI
Nutrient Density (Cal/mL)	1.5	Calories	350	Sodium, mg	240 Not est.
Protein (% Cal)	14.8	Protein, g	13	Sodium, mEq	10.4
Carbohydrate (% Cal)	57.0	Total Carbohydrate, g	50	Potassium, mg	420 Not est.
Fat (% Cal)	28.2	Sugars, g	20	Potassium, mEq	10.7
Cal to meet 100% RDIs	1400	Total Fat, g	11	Chloride, mg	270 8
mL to meet 100% RDIs	948	Saturated Fat, g	1	Chloride, mEq	7.6
Kosher	Yes	Trans Fat, g	0	Calcium, mg	300 30
Gluten-Free	Yes	Polyunsaturated Fat, g	4.5	Phosphorus, mg	300 30
Lactose-Free	Yes	Monounsaturated Fat, g	5	Magnesium, mg	100 25
Low-Residue	Yes	Cholesterol, mg	10	Iodine, mcg	38 25
Total Cal/g Nitrogen	168:1	Water, g/mL/cc	180	Manganese, mg	1.2 60
Nonprotein Cal/g Nitrogen	144:1	Vitamin A, IU	1250 25	Copper, mg	0.50 25
Osmolality, mOsm/kg H <sub>2</sub> O	680	Vitamin D, IU	100 25	Zinc, mg	4.5 30
Renal Solute Load, mOsm/L	434	Vitamin E, IU	9 30	Iron, mg	4.5 25
Viscosity		Vitamin K, mcg	20 25	Selenium, mcg	21 30
Thin (Room Temperature)		Vitamin C, mg	36 60	Chromium, mcg	30 25
Nectar-like (Chilled)		Folic Acid, mcg	100 25	Molybdenum, mcg	45 60
		Thiamin (Vit B <sub>1</sub> ), mg	0.38 25		
		Riboflavin (Vit B <sub>2</sub> ), mg	0.43 25		
		Vitamin B <sub>6</sub> , mg	0.50 25		
		Vitamin B <sub>12</sub> , mcg	1.5 25		
		Niacin, mg	5.0 25		
		Choline, mg	83 Not est.		
		Biotin, mcg	75 25		
		Pantothenic Acid, mg	2.5 25		

**ENSURE PLUS**  
**Ingredients**  
**(Homemade Vanilla):** ①-D Water, Corn Maltodextrin, Sugar (Sucrose), Milk Protein Isolate, Canola Oil, Corn Oil, Soy Protein Concentrate, Natural and Artificial Flavors, Whey Protein Concentrate, Magnesium Phosphate, Potassium Citrate, Sodium Citrate, Soy Lecithin, Calcium Phosphate, Potassium Chloride, Salt (Sodium Chloride), Choline Chloride, Ascorbic Acid, Carrageenan, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, Niacinamide, Manganese Sulfate, Calcium Pantothenate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Sodium Selenate, Potassium Iodide, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8064-06)  
**Contains milk and soy ingredients.**

**HCPCS Code B4152**  
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# Ensure® Powder

Complete, Balanced Nutrition®



## Usage

ENSURE POWDER is a source of complete, balanced nutrition for supplemental use with or between meals. It may benefit patients who are on modified diets, at nutritional risk, experiencing involuntary weight loss, recovering from illness or surgery, or on low-residue diets.

- For oral use
- For interim sole-source nutrition
- Not for parenteral use

## Features

- Good source of 24 essential vitamins and minerals
- Convenient, easy to mix
- Low-residue
- Lactose- and gluten-free
- Kosher

## Availability

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— Powder: 14-oz (397-g) cans; 6/case

Homemade Vanilla Shake . . . . . 00750 . . . . . 70074-0607-50



Technical Nutrition Data		Nutrition Information		Nutrition Information	
		8 fl oz	% RDI	8 fl oz	% RDI
Nutrient Density (Cal/mL)	1.06	Calories	250	Sodium, mg	200 Not est.
Protein (% Cal)	14.2	Protein, g	9	Sodium, mEq	8.7
Carbohydrate (% Cal)	53.8	Total Carbohydrate, g	34	Potassium, mg	370 Not est.
Fat (% Cal)	32.0	Sugars, g	13	Potassium, mEq	9.5
Cal to meet 100% RDIs	2000	Total Fat, g	9	Chloride, mg	340 10
mL to meet 100% RDIs	1896	Saturated Fat, g	1.5	Chloride, mEq	9.6
Kosher	Yes	Trans Fat, g	0	Calcium, mg	150 15
Gluten-Free	Yes	Cholesterol, mg	<5	Phosphorus, mg	150 15
Lactose-Free	Yes	Water, g/mL/cc	178	Magnesium, mg	60 15
Low-Residue	Yes	(When reconstituted per instructions on the can)		Iodine, mcg	22.5 15
Total Cal/g Nitrogen	174:1	Vitamin A, IU	750 15	Manganese, mg	0.6 30
Nonprotein Cal/g Nitrogen	151:1	Vitamin D, IU	60 15	Copper, mg	0.3 15
Osmolality, mOsm/kg H <sub>2</sub> O	470	Vitamin E, IU	6 20	Zinc, mg	3 20
Renal Solute Load, mOsm/L	334	Vitamin K, mcg	12 15	Iron, mg	2.7 15
Viscosity		Vitamin C, mg	36 60	Selenium, mcg	10.5 15
Thin (Room Temperature)		Folic Acid, mcg	100 25	Chromium, mcg	18 15
Thin (Chilled)		Thiamin (Vit B <sub>1</sub> ), mg	0.38 25	Molybdenum, mcg	19 25
		Riboflavin (Vit B <sub>2</sub> ), mg	0.43 25		
		Vitamin B <sub>6</sub> , mg	0.50 25		
		Vitamin B <sub>12</sub> , mcg	1.5 25		
		Niacin, mg	5.0 25		
		Choline, mg	75 Not est.		
		Biotin, mcg	75 25		
		Pantothenic Acid, mg	2.5 25		

## ENSURE POWDER

### Ingredients

Ⓛ-D Corn Syrup, Corn Maltodextrin, Sugar (Sucrose), Corn Oil, Sodium and Calcium Caseinates, Soy Protein Isolate, Artificial Flavor, Potassium Citrate, Magnesium Chloride, Calcium Phosphate, Sodium Citrate, Potassium Chloride, Soy Lecithin, Ascorbic Acid, Choline Chloride, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Ferrous Sulfate, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 7997-06)

**Contains milk and soy ingredients.**

HCPCS Code B4150

[www.Ross.com](http://www.Ross.com)

[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

[www.Ensure.com](http://www.Ensure.com)

# Ensure® Pudding

Complete, Balanced Nutrition®



## Usage

ENSURE PUDDING is a nutritious alternative to other snacks or desserts. It provides a source of complete, balanced nutrition in a delicious easy-to-eat form. It is appropriate for those who are underweight or undernourished, or are on a fluid-restricted or volume-limited diet.

- For patients on consistency-modified diets (eg, soft, puréed, or full liquid)
- For patients with swallowing impairments
- For oral use

## Features

- Safe, easy-open plastic cups for better compliance
- Good source of 24 essential vitamins and minerals
- Includes 1 g NutraFlora® FOS/4 oz (FOS are prebiotics that stimulate the growth of beneficial bacterial in the colon.) (See page 113 for more about FOS.)
- Convenient—needs no refrigeration
- Gluten-free
- Kosher

## Availability

<u>Flavor</u>	<u>List No.</u>	<u>NDC Format Code</u>
<b>— 4-oz cups, 12 four-packs/case</b>		
Homemade Vanilla . . . . .	54844 . . . . .	70074-0548-45
Creamy Milk Chocolate . . . . .	54846 . . . . .	70074-0548-47
Butterscotch Delight . . . . .	54848 . . . . .	70074-0548-49

Technical Nutrition Data		Nutrition Information (Homemade Vanilla)			Nutrition Information		
		4 oz	% RDI				
		4 oz	% RDI				
Nutrient Density (Cal/4 oz)	170	Calories	170	Sodium, mg	170	Not est.	
Protein (% Cal)	9.5	Protein, g	4	Sodium, mEq	7.4		
Carbohydrate (% Cal)	63.9	Total Carbohydrate, g	27	Potassium, mg	180	Not est.	
Fat (% Cal)	26.6	Dietary Fiber, g	1	Potassium, mEq	4.6		
Kosher	Yes	FOS, g	1	Chloride, mg	68	2	
Gluten-Free	Yes	Sugars, g	20	Chloride, mEq	1.9		
Lactose-Free	No	Total Fat, g	5	Calcium, mg	100	10	
Low-Residue	No	Saturated Fat, g	1	Phosphorus, mg	150	15	
Total Cal/g Nitrogen	266:1	Trans Fat, g	2	Magnesium, mg	40	10	
Nonprotein Cal/g Nitrogen	239:1	Cholesterol, mg	<5	Iodine, mcg	45	30	
Viscosity		Water, g/mL/cc	76	Manganese, mg	0.6	30	
Spoon-thick (Room Temperature)		Vitamin A, IU	500	Copper, mg	0.2	10	
Spoon-thick (Chilled)		Vitamin D, IU	40	Zinc, mg	3	20	
		Vitamin E, IU	6	Iron, mg	2.7	15	
		Vitamin K, mcg	12	Selenium, mcg	10.5	15	
		Vitamin C, mg	9	Chromium, mcg	12	10	
		Folic Acid, mcg	60	Molybdenum, mcg	30	40	
		Thiamin (Vit B <sub>1</sub> ), mg	0.23				
		Riboflavin (Vit B <sub>2</sub> ), mg	0.26				
		Vitamin B <sub>6</sub> , mg	0.3				
		Vitamin B <sub>12</sub> , mcg	1.2				
		Niacin, mg	3.0				
		Biotin, mcg	60				
		Pantothenic Acid, mg	2				

## ENSURE PUDDING

**Ingredients (Homemade Vanilla):** (K)-D Water, Sugar (Sucrose), Modified Corn Starch, Partially Hydrogenated Soy Oil, Milk Protein Concentrate, Nonfat Milk, Fructooligosaccharides, Magnesium Sulfate, Potassium Phosphate, Sodium Phosphate, Sodium Stearoyl Lactylate, Artificial Flavor, Sodium Ascorbate, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Manganese Sulfate, Calcium Pantothenate, FD&C Yellow #5 & #6, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Palmitate, Riboflavin, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8018-03)

**Contains milk ingredients.**

www.Ross.com  
www.Ensure.com

# Glucerna®

Specialized Nutrition  
With Fiber  
*for impaired  
glucose tolerance*



## Usage

GLUCERNA is a reduced-carbohydrate, modified-fat, fiber-containing formula clinically shown to blunt blood-glucose response in patients with abnormal glucose tolerance. GLUCERNA provides only 34.3% of total calories as carbohydrate. This helps minimize glycemic response. The formulation includes soy fiber to help maintain normal bowel function.

- For patients with type 1 and type 2 diabetes
- For patients with abnormal glucose tolerance resulting from metabolic stress, such as illness, trauma, and infection
- For supplemental or total nutrition
- For tube feeding
- Not for parenteral use

## Features

- Fat blend high in monounsaturated fatty acids
- Consistent with American Diabetes Association recommendations favoring monounsaturated fats to help improve lipid profiles<sup>1</sup>
- Moderate osmolality (355 mOsm/kg H<sub>2</sub>O)
- Meets or exceeds 100% of RDIs for 24 key vitamins and minerals in 1420 Cal (1420 mL)
- Lactose- and gluten-free

## Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans, 24/case</b>		
Vanilla	50240	70074-0502-41
<b>— Ross Ready-To-Hang® 1000-mL prefilled containers, 8/case</b>		
Unflavored	51206	70074-0512-07
<b>— 1500-mL prefilled containers, 6/case</b>		
Unflavored	52602	70074-0526-03

## Technical Nutrition Data

Nutrient Density (Cal/mL)	1.0
Protein (% Cal)	16.7
Carbohydrate (% Cal)	34.3
Fat (% Cal)	49.0
MUFAs (% Cal)	34.7
Cal to meet 100% RDIs	1420
mL to meet 100% RDIs	1420
Kosher	Yes
Gluten-Free	Yes
Lactose-Free	Yes
Low-Residue	No
Total Cal/g Nitrogen	150:1
Nonprotein Cal/g Nitrogen	125:1
Osmolality, mOsm/kg H <sub>2</sub> O	355
Renal Solute Load, mOsm/L	360
Viscosity	
Thin (Room Temperature)	
Thin (Chilled)	
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8
<b>Exchanges*</b>	
<b>2 Fat, 1 Lean Meat, 1½ Starch</b>	
<b>Carb Choices</b>	<b>1½</b>

\* Exchange Lists for Meal Planning.  
Alexandria, Va, and Chicago:  
American Diabetes Association and  
American Dietetic Association, 2003.

## Nutrition Information

	8 fl oz	1000 mL	1500 mL
Calories	237	1000	1500
Protein, g	9.9	41.8	62.7
Total Carbohydrate, g	22.8	95.6	143.2
Dietary Fiber, g	3.4	14.4	21.6
Total Fat, g	12.9	54.4	81.7
Water, g/mL/cc	202	853	1280
Vitamin A, IU	1500	6300	9510
Beta-Carotene, mg	0.50	2.1	3.2
Vitamin D, IU	67	285	425
Vitamin E, IU	7.5	32	48
Vitamin K, mcg	14	57	85
Vitamin C, mg	50	215	320
Folic Acid, mcg	100	425	635
Thiamin (Vit B <sub>1</sub> ), mg	0.38	1.6	2.4
Riboflavin (Vit B <sub>2</sub> ), mg	0.43	1.8	2.7
Vitamin B <sub>6</sub> , mg	0.50	2.2	3.2
Vitamin B <sub>12</sub> , mcg	1.5	6.4	9.5
Niacin, mg	5.0	22	32
Choline, mg	100	425	635
Biotin, mcg	75	320	475
m-Inositol, mg	200	850	1300
Pantothenic Acid, mg	2.5	11	16
Sodium, mg	220	930	1400
Sodium, mEq	9.6	40.4	60.9

	8 fl oz	1000 mL	1500 mL
Potassium, mg	370	1570	2350
Potassium, mEq	9.5	40.2	60.1
Chloride, mg	340	1440	2160
Chloride, mEq	9.6	40.6	60.9
Calcium, mg	170	705	1060
Phosphorus, mg	170	705	1060
Magnesium, mg	67	285	425
Iodine, mcg	25	110	160
Manganese, mg	0.84	3.6	5.3
Copper, mg	0.34	1.5	2.2
Zinc, mg	3.8	16	24
Iron, mg	3.0	13	19
Selenium, mcg	12	50	74
Chromium, mcg	20	85	130
Molybdenum, mcg	25	110	160
L-Carnitine, mg	34	145	215
Taurine, mg	25	110	160

<sup>1</sup> American Diabetes Association: *Diabetes Care* 2004;27:S36-S46.

## GLUCERNA Ingredients

(Can): Ⓢ-D Water, Corn Maltodextrin, High Oleic Safflower Oil, Sodium and Calcium Caseinates, Soy Fiber, Fructose, Canola Oil, Soy Lecithin, Magnesium Chloride, Calcium Phosphate, Sodium Citrate, Natural and Artificial Flavor, Potassium Citrate, m-Inositol, Potassium Phosphate, Potassium Chloride, Choline Chloride, Ascorbic Acid, L-Carnitine, Taurine, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Beta-Carotene, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 7962-04)

**Contains milk and soy ingredients.**

Note: Minor ingredient differences exist in Ready-To-Hang®. For details, consult the product label.

**HCPSC Code B4154**  
**www.Ross.com**  
**www.Ross.com/Reimbursement**

# Glucerna® Meal Bar

For People With Diabetes



## Usage

GLUCERNA MEAL BARS are designed as a meal replacement specifically for patients with diabetes.

- Designed to help patients with diabetes or abnormal glucose tolerance manage their blood glucose

## Features

- Convenient—can be used as a meal replacement
- Unique blend of slowly digested carbohydrates clinically shown to help minimize blood-glucose response<sup>1</sup>
- Provides 24 essential vitamins and minerals

- Fortified with antioxidant vitamins C, E, and A (100% from beta-carotene), which help protect against cell damage
- Contain 2 g to 3 g fiber (depending on flavor)
- Delicious Chocolate Peanut, Chocolate Chunk, and Oatmeal Raisin flavors—deemed to be the overall Best Taste Award winners by the independent professional chefs of the American Culinary Institute\*

**Availability** (See page 133 for retail list numbers.)

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— 2.04-oz (58-g) bars; 4 bars/carton; 6 cartons/case

Chocolate Peanut . . . . .	70074-0576-17
Chocolate Chunk. . . . .	70074-0576-04
Oatmeal Raisin . . . . .	70074-0576-07

\* The ChefsBest™ Award for Best Taste is awarded to the brand rated highest overall among leading brands by independent professional chefs.



# Glucerna® Select

Specialized High-Protein Nutrition  
*with a unique carbohydrate blend  
for enhanced glycemic control*



## Usage

GLUCERNA SELECT is a high-protein liquid medical food with a unique carbohydrate blend clinically proven to blunt postprandial glycemic response.<sup>1-4</sup>

- For patients with type 1 or type 2 diabetes
- For patients with impaired glucose tolerance resulting from metabolic stress, such as illness, trauma, and infection
- For tube feeding or oral use
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- 20% of Cal from protein to assist in wound healing and preserve skin integrity
- Includes 1.6 g of NutraFlora® FOS/8 fl oz (6.7 g/L and 10 g/1500 mL). FOS are prebiotics that stimulate the growth of beneficial bacteria in the colon (See page 113 for more about FOS.)
- Consistent with American Diabetes Association recommendations favoring monounsaturated fats to help improve lipid profiles<sup>5</sup>
- Meets AHA recommendations for omega-3 fatty acid intake in 1420 Cal (1420 mL)<sup>6</sup>
- Vitamins C and E to help protect against cell damage

## Availability

<u>Flavor</u>	<u>List No.</u>	<u>NDC Format Code</u>
<b>— 8-fl-oz cans; 24/case</b>		
Vanilla .....	57701 .....	70074-0577-02
<b>— Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case</b>		
Unflavored .....	57703 .....	70074-0577-04
<b>— 1500-mL prefilled containers; 6/case</b>		
Unflavored .....	57705 .....	70074-0577-06



## Technical Nutrition Data

Nutrient Density (Cal/mL)	1.0
Protein (% Cal)	20.0
Carbohydrate (% Cal)	31.0
Fat (% Cal)	49.0
MUFAs (% Cal)	32.2
Cal to meet 100% RDIs	1420
mL to meet 100% RDIs	1420
Kosher	Yes
Gluten-Free	Yes
Lactose-Free	Yes
Low-Residue	No
Total Cal/g Nitrogen	125:1
Nonprotein Cal/g Nitrogen	100:1
Osmolality, mOsm/kg H <sub>2</sub> O	470
Renal Solute Load, mOsm/L	411
Viscosity	
Thin (Room Temperature)	
Thin (Chilled)	
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8
<b>Exchanges*</b>	
<b>1 Starch, 2 Fat, 1 Lean Meat</b>	
(Exchanges are adjusted for sugar alcohols and fiber.)	
<b>Carb Choices</b>	1

\* Exchange Lists for Meal Planning. Alexandria, Va, and Chicago: American Diabetes Association and American Dietetic Association, 2003.

## Nutrition Information

(Vanilla)	8 fl oz	1000 mL	1500 mL
Calories	237	1000	1500
Protein, g	11.9	50.0	75.0
Total Carbohydrate, g	22.8	95.7	143.5
Dietary Fiber, g	5.0	21.1	31.6
FOS, g	1.6	6.7	10
Sugar Alcohols, g	4.5	19.0	28.5
Total Fat, g	12.9	54.4	81.7
Water, g/mL/cc	199	839	1259
Vitamin A, IU	1495	6440	9525
Beta-Carotene, mg	0.50	2.2	3.2
Vitamin D, IU	67	285	425
Vitamin E, IU	7.6	32	48
Vitamin K, mcg	24	100	150
Vitamin C, mg	50	215	320
Folic Acid, mcg	100	425	635
Thiamin (Vit B <sub>1</sub> ), mg	0.38	1.6	2.4
Riboflavin (Vit B <sub>2</sub> ), mg	0.43	1.8	2.7
Vitamin B <sub>6</sub> , mg	0.50	2.2	3.2
Vitamin B <sub>12</sub> , mcg	1.5	6.4	9.5
Niacin, mg	5.0	22	32
Choline, mg	100	425	635
Biotin, mcg	76	320	480
Pantothenic Acid, mg	2.5	11	16
m-Inositol, mg	200	845	1270

	8 fl oz	1000 mL	1500 mL
Sodium, mg	220	940	1410
Sodium, mEq	9.6	40.9	61.3
Potassium, mg	430	1810	2715
Potassium, mEq	11.0	46.3	69.4
Chloride, mg	320	1360	2040
Chloride, mEq	9.0	38.4	57.5
Calcium, mg	170	705	1060
Phosphorus, mg	170	705	1060
Magnesium, mg	67	285	425
Iodine, mcg	25	110	160
Manganese, mg	0.84	3.6	5.3
Copper, mg	0.34	1.4	2.2
Zinc, mg	3.8	16	24
Iron, mg	3.0	13	19
Selenium, mcg	12	50	74
Chromium, mcg	20	85	130
Molybdenum, mcg	25	110	160
L-Carnitine, mg	34	145	215
Taurine, mg	25	110	160

<sup>1</sup> Data on file (SRDB 09): Ross Products Division, July 2003.

<sup>2</sup> Data on file (SRDB 10): Ross Products Division, July 2002.

<sup>3</sup> Wolf BW et al: *Nutr Res* 2001;21:1099-1106.

<sup>4</sup> Hawkins M et al: *Diabetes* 2002;51:606-614.

<sup>5</sup> American Diabetes Association: *Diabetes Care* 2004;27:S36-S46.

<sup>6</sup> Kris-Etherton PM et al *Circulation* 2002;106:2747-2757.

## GLUCERNA SELECT

### Ingredients

Ⓛ-D Water, Sodium and Calcium Caseinates, Corn Maltodextrin, High Oleic Safflower Oil, Maltitol Syrup, Fructose, Canola Oil, Soy Fiber, Soy Protein Isolate, Fructooligosaccharides, Soy Lecithin, Potassium Citrate, Natural and Artificial Flavor, Potassium Chloride, Magnesium Phosphate, m-Inositol, Magnesium Chloride, Ascorbic Acid, Calcium Citrate, Calcium Phosphate, Calcium Carbonate, Sodium Chloride, Choline Chloride, Sodium Citrate, Potassium Phosphate, Carrageenan, L-Carnitine, Taurine, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Beta-Carotene, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.

(FAN 7958-02)

**Contains milk and soy ingredients.**

**HCPCS Code B4154**

**www.Ross.com**

**www.Ross.com/Reimbursement**

**www.Glucerna.com**





# Glucerna® Snack Bar

For People With Diabetes



## Usage

GLUCERNA SNACK BARS are a delicious between-meal snack specifically designed for use by patients with diabetes in conjunction with the prescribed diet.

- For patients with diabetes or abnormal glucose tolerance

## Features

- Unique blends of slowly digested carbohydrates clinically shown to produce a lower blood-glucose response when compared to a standard nutritional bar<sup>1,2</sup>
- Fortified with antioxidant vitamins C, E, and A (100% from beta-carotene) to help protect against cell damage

- Deemed to be the overall Best Taste Award winners by the independent professional chefs of the American Culinary Institute\*

**Availability** (See page 133 for retail list numbers.)

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— 1.41-oz (40-g) bars; 4 bars/carton; 6 cartons/case

**Lemon Crunch: 1.34-oz (38-g) bars**

Lemon Crunch (Chewy) . . . . .	70074-0546-16
Chocolate Caramel (Chewy) . . . . .	70074-0569-58
Cranberry Orange (Chewy) . . . . .	70074-0569-61
Caramel Nut (Chewy) . . . . .	70074-0576-10
Fudge Graham (Crispy) . . . . .	70074-0579-70
Strawberry Yogurt (Crispy) . . . . .	70074-0579-73

\* The ChefsBest™ Award for Best Taste is awarded to the brand rated highest overall among leading brands by independent professional chefs.

## Technical Nutrition Data

Protein (% Cal)	16
Carbohydrate (% Cal)	60
Fat (% Cal)	24
Kosher	Yes
Gluten-Free	No
Lactose, g	<1
<b>Exchanges*</b>	
<b>1 Starch, 1 Fat</b>	
(Exchanges are adjusted for sugar alcohols.)	
<b>Carb Choices</b>	1

## Nutrition Information

(Chocolate Caramel)	Bar	% RDI
Calories	150	
Protein, g	6	
Total Carbohydrate, g	25	
Dietary Fiber, g	1	
Sugars, g	3	
Sugar Alcohols, g	10	
Total Fat, g	4	
Saturated Fat, g	3	
Trans Fat, g	0	
Cholesterol, mg	0	
Vitamin A, IU	1000	20
Beta-Carotene, mg	0.60	
Vitamin E, IU	30	100
Vitamin C, mg	15	25
Sodium, mg	150	Not est.
Potassium, mg	80	Not est.
Calcium, mg	20	2
Iron, mg	1.1	6
Chromium, mcg	30	25

Nutrient values differ for other flavors.

Check product labels for information.

<sup>1</sup> Data on file (BJ38A): Ross Products Division, January 2003.

<sup>2</sup> Nicholson S et al: *Diabetes* 2001;51(suppl 2):A366.

## GLUCERNA SNACK BAR

### Ingredients

**(Chocolate Caramel):** Ⓞ-D Caramel (Maltitol Syrup, Nonfat Milk, Partially Hydrogenated Soybean Oil, Cream, Glycerine, Butter, Salt, Disodium Phosphate, Soy Lecithin, Carrageenan, Natural and Artificial Flavor), Crisp Soy Nuggets (Soy Protein Isolate, Rice Flour, Malt, Salt), Chocolate Flavored Coating (Maltitol and/or Lactitol, Fractionated Palm Kernel Oil, Polydextrose, Cocoa, Natural and Artificial Flavors, Soy Lecithin, Monoglycerides, Acesulfame K), Fruit and Grain Dextrins, Milled Rice, Corn Maltodextrin, Soy Protein Isolate, **Less than 2% of the following:** Glycerine, Cellulose Gel (Cellulose Gum, Guar Gum), Natural and Artificial Flavors, Peanut Butter (Ground Peanuts, Hydrogenated Vegetable Oil [Cottonseed, Rapeseed], Salt), Guar Gum, dl-Alpha-Tocopheryl Acetate, Ascorbic Acid, Beta-Carotene, and Chromium Chloride. (FAN 7955-04)

**Contains milk, soy, and peanut ingredients; manufactured in a facility that processes eggs and tree nuts.**

[www.Ross.com](http://www.Ross.com)  
[www.Glucerna.com](http://www.Glucerna.com)  
[www.DiabetesControlForLife.com](http://www.DiabetesControlForLife.com)

\* Exchange Lists for Meal Planning. Alexandria, Va, and Chicago: American Diabetes Association and American Dietetic Association, 2003.

# Glucerna® Weight Loss Shake

For People With Diabetes



**NutraFlora®**  
PREBIOTIC • SOLUBLE FIBER



## Usage

GLUCERNA WEIGHT LOSS SHAKE is the *first* weight-loss shake specifically for patients with diabetes. When used as part of a reduced-calorie meal plan, GLUCERNA WEIGHT LOSS SHAKE is designed to help patients with diabetes manage their weight and blood glucose.<sup>1,2</sup>

- Use as a meal replacement for the dietary management of diabetes (see instructions on label)
- A convenient, great-tasting alternative to higher-calorie meals to help patients with diabetes manage their weight
- For oral use only; not for tube feeding
- Not for sole-source nutrition
- Not for parenteral use

## Features

- Contains a unique blend of slowly digested carbohydrates clinically shown to help manage blood-glucose levels<sup>1</sup>
- Clinically shown to help patients with type 2 diabetes lose weight as part of a structured weight-loss program designed to decrease caloric intake and promote physical activity<sup>2,3</sup>
- Contains 4 g of dietary fiber, including 1.4 g/11 fl oz of NutraFlora® FOS are prebiotics that stimulate the growth of beneficial bacteria in the colon. (See page 113 for more about FOS.)
- Consistent with the American Diabetes Association recommendations favoring monounsaturated fats to help improve lipid profiles<sup>4</sup>
- Meets 100% of the RDIs for the antioxidant vitamins C and E to help protect against cell damage
- Kosher
- Lactose- and gluten-free

**Availability** (See page 134 for retail list numbers.)

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— 11-fl-oz cans; 24/case

Homemade Vanilla. . . . . 70074-0576-43

Chocolate Goodness. . . . . 70074-0576-46

\* The ChefsBest™ Award for Best Taste is awarded to the brand rated highest overall among leading brands by independent professional chefs.

## Technical Nutrition Data

Nutrient Density (Cal/mL)	0.89
Protein (% Cal)	18.0
Carbohydrate (% Cal)	48.0
Fat (% Cal)	34.0
Kosher	Yes
Gluten-Free	Yes
Lactose-Free	Yes
Low-Residue	No
Total Cal/g Nitrogen	139:1
Nonprotein Cal/g Nitrogen	114:1
Osmolality, mOsm/kg H <sub>2</sub> O	481
Renal Solute Load, mOsm/11 fl oz	114
Viscosity	
Thin (Room Temperature)	
Thin (Chilled)	
<b>Exchanges*</b>	
<b>1½ Starch, 1 Fat,</b>	
<b>1 Medium-Fat Meat, 1 Fruit</b>	
(Exchanges are adjusted for sugar alcohols.)	
<b>Carb Choices</b>	<b>2</b>
* Exchange Lists for Meal Planning. Alexandria, Va, and Chicago: American Diabetes Association and American Dietetic Association, 2003.	

## Nutrition Information

(Homemade Vanilla)	11 fl oz	% RDI
Calories	290	
Protein, g	13	
Total Carbohydrate, g	39	
Dietary Fiber, g	4	
FOS, g	1.4	
Sugars, g	10	
Sugar Alcohols, g	7	
Total Fat, g	11	
Saturated Fat, g	1	
Trans Fat, g	0	
Cholesterol, mg	<5	
Water, g/mL/cc	278	
Vitamin A, IU	1750	35
Beta-Carotene, mg	0.50	
Vitamin D, IU	100	25
Vitamin E, IU	30	100
Vitamin K, mcg	20	25
Vitamin C, mg	60	100
Folic Acid, mcg	200	50
Thiamin (Vit B <sub>1</sub> ), mg	0.38	25
Riboflavin (Vit B <sub>2</sub> ), mg	0.43	25
Vitamin B <sub>6</sub> , mg	1	50
Vitamin B <sub>12</sub> , mcg	3	50
Niacin, mg	5	25
Choline, mg	100	Not est.

	11 fl oz	% RDI
Biotin, mcg	75	25
Pantothenic Acid, mg	2.5	25
Sodium, mg	280	Not est.
Sodium, mEq	12.2	
Potassium, mg	500	Not est.
Potassium, mEq	12.8	
Chloride, mg	510	15
Chloride, mEq	14.4	
Calcium, mg	350	35
Phosphorus, mg	350	35
Magnesium, mg	140	35
Zinc, mg	3.8	25
Iodine, mcg	38	25
Manganese, mg	1	50
Copper, mg	0.5	25
Iron, mg	4.5	25
Selenium, mcg	18	25
Chromium, mcg	120	100
Molybdenum, mcg	38	50
1 Fix BM et al: <i>Ann Nutr Metab</i> 2001;45(suppl 1):277.		
2 Data on file (BJ19): Ross Products Division, July 2002.		
3 Garvey WT et al: <i>Diabetes</i> 2006;55(suppl 1): A596.		
4 American Diabetes Association: <i>Diabetes Care</i> 2004;27:S36-S46.		

## GLUCERNA WEIGHT LOSS SHAKE Ingredients

(Homemade Vanilla): Ⓢ-D Water, Corn Maltodextrin, Maltitol Syrup, Sodium and Calcium Caseinates, High-Oleic Safflower Oil, Fructose, Soy Protein Isolate, Soy Fiber, Fructooligosaccharides, Canola Oil, Calcium Phosphate, Magnesium Chloride, Soy Lecithin, Artificial Flavor, Sodium Citrate, Potassium Citrate, Magnesium Phosphate, Potassium Chloride, Potassium Phosphate, Ascorbic Acid, Choline Chloride, Gellan Gum, dl-Alpha-Tocopheryl Acetate, Acesulfame Potassium, Ferrous Sulfate, Zinc Sulfate, Niacinamide, Manganese Sulfate, Calcium Pantothenate, Sucralose, Cupric Sulfate, Pyridoxine Hydrochloride, Thiamine Chloride Hydrochloride, Lutein, Vitamin A Palmitate, Riboflavin, Chromium Chloride, Beta-Carotene, Folic Acid, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 8008-02)

Contains milk and soy ingredients.

HCPCS Code B4154

[www.Ross.com](http://www.Ross.com)

[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

[www.Glucerna.com](http://www.Glucerna.com)

[www.DiabetesControlForLife.com](http://www.DiabetesControlForLife.com)

# Hi-Cal

High-Calorie Supplement



## Usage

HI-CAL is a high-calorie oral supplement fortified with vitamins and minerals. HI-CAL is ideal for Medication Pass Programs.

- For oral use only
- Not for tube feeding
- Not for parenteral use

## Features

- High in calories (2 Cal/mL)
- Meets or exceeds 20% of the RDI for 24 essential vitamins and minerals in 8 fl oz
- Vanilla flavor, ready to serve
- 1-Liter plastic bottle is reclosable
- Cutter cap easily pierces foil seal
- Kosher
- Lactose- and gluten-free
- Low-residue

## Availability

<u>Flavor</u>	<u>List No.</u>	<u>NDC Format Code</u>
— 1-Liter bottle (8/case)		
Vanilla .....	58253.....	70074-0582-54



Technical Nutrition Data		Nutrition Information		Nutrition Information		
		8 fl oz	% RDI	8 fl oz	% RDI	
Nutrient Density (Cal/mL)	2.0	Calories	475	Chloride, mg	340	10
Protein (% Cal)	16.7	Protein, g	19.8	Chloride, mEq	9.6	
Carbohydrate (% Cal)	43.2	Total Carbohydrate, g	51.3	Calcium, mg	200	20
Fat (% Cal)	40.1	Total Fat, g	21.2	Phosphorus, mg	200	20
Kosher	Yes	Trans Fat, g	0	Magnesium, mg	80	20
Gluten-Free	Yes	Water, g/mL/cc	166	Iodine, mcg	30	20
Lactose-Free	Yes	Vitamin A, IU	1000	Manganese, mg	1.0	50
Low-Residue	Yes	Vitamin D, IU	80	Copper, mg	0.40	20
Total Cal/g Nitrogen	150:1	Vitamin E, IU	9.0	Zinc, mg	4.5	30
Nonprotein Cal/g Nitrogen	125:1	Vitamin K, mcg	16	Iron, mg	3.6	20
Osmolality, mOsm/kg H <sub>2</sub> O	705	Vitamin C, mg	12	Selenium, mcg	14	20
Renal Solute Load, mOsm/L	647	Folic Acid, mcg	80	Chromium, mcg	24	20
Viscosity		Thiamin (Vit B <sub>1</sub> ), mg	0.30	Molybdenum, mcg	30	40
Nectar-like (Room Temperature)		Riboflavin (Vit B <sub>2</sub> ), mg	0.34			
Nectar-like (Chilled)		Vitamin B <sub>6</sub> , mg	0.40			
		Vitamin B <sub>12</sub> , mcg	1.2			
		Niacin, mg	4.0			
		Choline, mg	75	Not est.		
		Biotin, mcg	60	20		
		Pantothenic Acid, mg	2.0	20		
		Sodium, mg	345	Not est.		
		Sodium, mEq	15			
		Potassium, mg	580	Not est.		
		Potassium, mEq	14.8			

## HI-CAL

### Ingredients

**(Homemade Vanilla):** Ⓢ-D Water, Corn Syrup Solids, Sodium and Calcium Caseinates, Corn Oil, Corn Maltodextrin, Sugar (Sucrose), Potassium Citrate, Magnesium Chloride, Natural and Artificial Flavors, Calcium Phosphate, Soy Lecithin, Sodium Citrate, Ascorbic Acid, Choline Chloride, Zinc Sulfate, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Palmitate, Riboflavin, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8083-02)

**Contains milk and soy ingredients.**

HCPCS Code B4152

[www.Ross.com](http://www.Ross.com)

[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Jevity® 1 CAL

Isotonic Nutrition With Fiber



## Usage

JEVITY 1 CAL is a fiber-fortified tube-feeding formula.

- For tube feeding
- For supplemental or sole-source nutrition
- May be used for oral feeding of patients with altered taste perception
- Not for parenteral use

## Features

- Complete, Balanced Nutrition® for long-term tube feeding

- 14.4 g of total dietary fiber/L. Fiber helps maintain normal bowel function and may be useful in the dietary management of diarrhea and constipation
- Meets or exceeds 100% of the RDIs for 24 essential vitamins and minerals in 1400 Cal (1321 mL)
- Provides protein to help support lean body mass and wound healing
- Isotonic formula is beneficial for those intolerant of hyperosmolar feedings
- Kosher
- Lactose- and gluten-free

## Availability

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— 8-fl-oz cans; 24/case

Unflavored . . . . .00143 . . . . . 70074-0401-43

**Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case**

Unflavored . . . . .00682 . . . . . 70074-0806-82

**1500-mL prefilled containers; 6/case**

Unflavored . . . . .52604 . . . . . 70074-0526-05

Technical Nutrition Data		Nutrition Information							
		8 fl oz	1000 mL	1500 mL		8 fl oz	1000 mL	1500 mL	
Nutrient Density (Cal/mL)	1.06								
Protein (% Cal)	16.7	Calories	250	1060	1590	Chloride, mg	310	1310	1970
Carbohydrate (% Cal)	54.3	Protein, g	10.4	44.3	66.4	Chloride, mEq	8.8	37.0	55.6
Fat (% Cal)	29.0	Total Carbohydrate, g	36.5	154.7	231.9	Calcium, mg	215	910	1370
MCT:LCT	19:81	Dietary Fiber, g	3.4	14.4	21.6	Phosphorus, mg	180	760	1140
Cal to meet 100% RDIs	1400	Total Fat, g	8.2	34.7	52.1	Magnesium, mg	72	305	460
mL to meet 100% RDIs	1321	Water, g/mL/cc	197	835	1244	Iodine, mcg	28	115	175
Kosher	Yes	Vitamin A, IU	895	3790	5690	Manganese, mg	0.90	3.8	5.7
Gluten-Free	Yes	Vitamin D, IU	72	305	460	Copper, mg	0.37	1.6	2.4
Lactose-Free	Yes	Vitamin E, IU	8.3	35	53	Zinc, mg	4.3	18	27
Low-Residue	No	Vitamin K, mcg	15	61	92	Iron, mg	3.3	14	21
Total Cal/g Nitrogen	150:1	Vitamin C, mg	55	230	345	Selenium, mcg	13	54	81
Nonprotein Cal/g Nitrogen	125:1	Folic Acid, mcg	110	455	690	Chromium, mcg	22	91	140
Osmolality, mOsm/kg H <sub>2</sub> O	300	Thiamin (Vit B <sub>1</sub> ), mg	0.41	1.7	2.6	Molybdenum, mcg	28	115	175
Renal Solute Load, mOsm/L	370	Riboflavin (Vit B <sub>2</sub> ), mg	0.48	2.0	3.0	L-Carnitine, mg	28	115	175
Viscosity		Vitamin B <sub>6</sub> , mg	0.55	2.3	3.5	Taurine, mg	28	115	175
Nectar-like (Room Temperature)		Vitamin B <sub>12</sub> , mcg	1.7	6.9	11				
Nectar-like (Chilled)		Niacin, mg	5.5	23	35				
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Choline, mg	110	455	685				
		Biotin, mcg	82	345	520				
		Pantothenic Acid, mg	2.9	12	18				
		Sodium, mg	220	930	1400				
		Sodium, mEq	9.6	40.4	60.9				
		Potassium, mg	375	1570	2360				
		Potassium, mEq	9.6	40.2	60.5				

### JEVITY 1 CAL

#### Ingredients

①-D Water, Corn Maltodextrin, Corn Syrup Solids, Sodium and Calcium Caseinates, Soy Fiber, Soy Protein Isolate, Canola Oil, Corn Oil, Medium Chain Triglycerides, Calcium Phosphate, Potassium Citrate, Magnesium Chloride, Soy Lecithin, Sodium Citrate, Ascorbic Acid, Choline Chloride, Zinc Sulfate, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 8091-08)

**Contains milk and soy ingredients.**

**HCPCS Code B4150**  
**www.Ross.com**  
**www.Ross.com/Reimbursement**

# Jevity® 1.2 CAL

High-Protein Nutrition With Fiber  
and NutraFlora® FOS



## Usage

JEVITY 1.2 CAL is a high-protein, fiber-fortified formula that provides Complete, Balanced Nutrition® for long- or short-term tube feeding.

- For tube feeding
- For supplemental or sole-source nutrition
- May be used for oral feeding of patients with altered taste perception
- Not for parenteral use

## Features

- Concentrated calories (1.2 Cal/mL) and high in protein (18.5% of Cal) to help tube-fed patients gain and maintain healthy weight. Protein is needed for

lean body tissue maintenance and repair

- Meets or exceeds 100% of the RDIs for 24 essential vitamins and minerals in 1200 Cal (1 Liter)
- 18 g of dietary fiber in 1 liter (10 g of a patented soluble and insoluble fiber blend and 8 g of NutraFlora® FOS) supplies the minimum recommended daily fiber intake. Fiber helps maintain bowel function
- Moderate osmolality is beneficial for those intolerant of hyperosmolar feedings
- Includes 1.9 g of FOS/8 fl oz (8 g/L and 12 g/1500 mL). FOS are prebiotics that stimulate the growth of beneficial bacteria in the colon. (See page 113 for more about FOS.)
- Kosher
- Lactose- and gluten-free

## Availability

<u>Flavor</u>	<u>List No.</u>	<u>NDC Format Code</u>
<b>— 8-fl-oz cans; 24/case</b>		
Unflavored . . . . .	53118 . . . . .	70074-0531-19
<b>— Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case</b>		
Unflavored . . . . .	53124 . . . . .	70074-0531-25
<b>— 1500-mL prefilled containers; 6/case</b>		
Unflavored . . . . .	53114 . . . . .	70074-0531-15

Technical Nutrition Data		Nutrition Information			Nutrition Information				
		8 fl oz	1000 mL	1500 mL					
Nutrient Density (Cal/mL)	1.2								
Protein (% Cal)	18.5	Calories	285	1200	1800	Potassium, mg	440	1850	2780
Carbohydrate (% Cal)	52.5	Protein, g	13.2	55.5	83.3	Potassium, mEq	11.3	47.4	71.3
Fat (% Cal)	29.0	Total Carbohydrate, g	40.2	169.4	254.0	Chloride, mg	360	1500	2250
MCT:LCT	19:81	Total Dietary Fiber, g	4.3	18.0	27.0	Chloride, mEq	10.2	42.4	63.6
Cal to meet 100% RDIs	1200	FOS, g	1.9	8.0	12.0	Calcium, mg	285	1200	1800
mL to meet 100% RDIs	1000	Total Fat, g	9.3	39.3	59.0	Phosphorus, mg	285	1200	1800
Kosher	Yes	Water, g/mL/cc	191	807	1211	Magnesium, mg	96	400	600
Gluten-Free	Yes	Vitamin A, IU	1190	5000	7500	Iodine, mcg	36	150	225
Lactose-Free	Yes	Beta-Carotene, mg	0.60	2.5	3.8	Manganese, mg	1.2	5.0	7.5
Low-Residue	No	Vitamin D, IU	96	400	600	Copper, mg	0.48	2.0	3.0
Total Cal/g Nitrogen	135:1	Vitamin E, IU	11	45	68	Zinc, mg	5.5	23	34
Nonprotein Cal/g Nitrogen	110:1	Vitamin K, mcg	20	80	120	Iron, mg	4.3	18	27
Osmolality, mOsm/kg H <sub>2</sub> O	450	Vitamin C, mg	72	300	450	Selenium, mcg	17	70	105
Renal Solute Load, mOsm/L	465	Folic Acid, mcg	145	600	900	Chromium, mcg	29	120	180
Viscosity		Thiamin (Vit B <sub>1</sub> ), mg	0.55	2.3	3.5	Molybdenum, mcg	36	150	225
Nectar-like (Room Temperature)		Riboflavin (Vit B <sub>2</sub> ), mg	0.62	2.6	3.9	L-Carnitine, mg	36	150	225
Nectar-like (Chilled)		Vitamin B <sub>6</sub> , mg	0.72	3.0	4.5	Taurine, mg	36	150	225
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Vitamin B <sub>12</sub> , mcg	2.2	9.0	14				
		Niacin, mg	7.2	30	45				
		Choline, mg	145	600	900				
		Biotin, mcg	110	450	675				
		Pantothenic Acid, mg	3.6	15	23				
		Sodium, mg	325	1350	2030				
		Sodium, mEq	14.1	58.7	88.3				

### JEVITY 1.2 CAL

#### Ingredients

①-D Water, Corn Maltodextrin, Corn Syrup Solids, Sodium and Calcium Caseinates, Soy Protein Isolate, Canola Oil, Corn Oil, Fructooligosaccharides, Medium Chain Triglycerides, Soy Fiber, Oat Fiber, Calcium Phosphate, Magnesium Phosphate, Potassium Citrate, Gum Arabic, Soy Lecithin, Potassium Chloride, Carboxymethylcellulose, Sodium Chloride, Ascorbic Acid, Choline Chloride, Sodium Citrate, L-Carnitine, Taurine, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Beta-Carotene, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 8091-04)

**Contains milk and soy ingredients.**

**HCPCS Code B4150**  
**www.Ross.com**  
**www.Ross.com/Reimbursement**

# Jevity® 1.5 Cal

High-Protein Nutrition With Fiber  
and NutraFlora® FOS



## Usage

JEVITY 1.5 CAL is a calorically dense liquid food with a patented fiber blend that provides Complete, Balanced Nutrition®.

- For tube feeding
- For supplemental or sole-source nutrition
- May be used for oral feeding of patients with altered taste perception
- Not for parenteral use

## Features

- Concentrated calories (1.5 Cal/mL) to help tube-fed patients gain and maintain healthy weight

- 22 g of dietary fiber in 1 Liter (12 g of a patented soluble and insoluble fiber blend and 10 g of fructooligosaccharides [FOS]), which helps meet daily fiber needs. Fiber helps moderate bowel function
- Includes 15 g NutraFlora® FOS/1500 mL. FOS are prebiotics that stimulate the growth of beneficial bacteria in the colon. (See page 113 for more about FOS.)
- Meets or exceeds 100% of the RDIs for 24 essential vitamins and minerals in 1500 Cal (1 liter)
- Kosher
- Lactose- and gluten-free

## Availability

Flavor	List No.	NDC Format Code
— 8-fl-oz cans; 24/case		
Unflavored . . . . .	57333 . . . . .	70074-0573-34
— Ross Ready-To-Go® 1000-mL prefilled containers; 8/case		
Unflavored . . . . .	57329 . . . . .	70074-0573-30
— 1500-mL prefilled containers; 6/case		
Unflavored . . . . .	57331 . . . . .	70074-0573-32

Technical Nutrition Data		Nutrition Information			Nutrition Information				
		8 fl oz	1000 mL	1500 mL					
Nutrient Density (Cal/mL)	1.5								
Protein (% Cal)	17.0	Calories	355	1500	2250	Chloride, mg	320	1360	2040
Carbohydrate (% Cal)	53.6	Protein, g	15.1	63.8	95.7	Chloride, mEq	9.0	38.4	57.6
Fat (% Cal)	29.4	Total Carbohydrate, g	51.1	215.7	323.6	Calcium, mg	285	1200	1800
MCT:LCT	19:81	Total Dietary Fiber, g	5.3	22.0	33.0	Phosphorus, mg	285	1200	1800
Cal to meet 100% RDIs	1500	FOS, g	2.4	10	15	Magnesium, mg	95	400	600
mL to meet 100% RDIs	1000	Total Fat, g	11.8	49.8	74.7	Iodine, mcg	36	150	225
Kosher	Yes	Water, g/mL/cc	180	760	1140	Manganese, mg	1.2	5.0	7.5
Gluten-Free	Yes	Vitamin A, IU	1185	5000	7500	Copper, mg	0.48	2.0	3.0
Lactose-Free	Yes	Vitamin D, IU	95	400	600	Zinc, mg	5.4	23	34
Low-Residue	No	Vitamin E, IU	11	45	68	Iron, mg	4.3	18	27
Total Cal/g Nitrogen	147:1	Vitamin K, mcg	19	80	120	Selenium, mcg	17	70	105
Nonprotein Cal/g Nitrogen	122:1	Vitamin C, mg	72	300	450	Chromium, mcg	29	120	180
Osmolality, mOsm/kg H <sub>2</sub> O	525	Folic Acid, mcg	145	600	900	Molybdenum, mcg	36	150	225
Renal Solute Load, mOsm/L	518	Thiamin (Vit B <sub>1</sub> ), mg	0.54	2.3	3.4	L-Carnitine, mg	36	150	225
Viscosity		Riboflavin (Vit B <sub>2</sub> ), mg	0.61	2.6	3.9	Taurine, mg	36	150	225
Nectar-like (Room Temperature)		Vitamin B <sub>6</sub> , mg	0.72	3.0	4.5				
Nectar-like (Chilled)		Vitamin B <sub>12</sub> , mcg	2.2	9.0	14				
Minimum Tube Size for Gravity/Pump Feeding, Fr	12/10	Niacin, mg	7.2	30	45				
		Choline, mg	145	600	900				
		Biotin, mcg	110	450	675				
		Pantothenic Acid, mg	3.6	15	23				
		Sodium, mg	330	1400	2100				
		Sodium, mEq	14.3	60.9	91.3				
		Potassium, mg	510	2150	3225				
		Potassium, mEq	13.1	55.1	82.7				

## JEVITY 1.5 CAL

### Ingredients

①-D Water, Corn Maltodextrin, Corn Syrup Solids, Sodium and Calcium Caseinates, Canola Oil, Corn Oil, Soy Protein Isolate, Fructooligosaccharides, Medium Chain Triglycerides, Oat Fiber, Soy Fiber, Potassium Citrate, Calcium Phosphate, Gum Arabic, Sodium Citrate, Magnesium Phosphate, Soy Lecithin, Magnesium Chloride, Carboxymethylcellulose, Ascorbic Acid, Choline Chloride, Potassium Chloride, Taurine, L-Carnitine, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 8091-03)

Contains milk and soy ingredients.

HCPCS Code B4152

[www.Ross.com](http://www.Ross.com)

[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Juven®

Therapeutic Nutrition™ Drink Mix  
With a Patented Blend of HMB,  
Arginine, and Glutamine



## Usage

JUVEN is targeted nutritional therapy that helps build lean body mass (LBM) without fat gain<sup>1,2</sup>

Just 2 servings per day are recommended to:

- Support immune function in patients with HIV/AIDS<sup>2</sup>
- Support wound healing<sup>3</sup>
- Help build LBM in patients with disease-related weight loss<sup>1,2</sup>
- Rebuilding muscle helps
  - Patients feel strong and remain active and independent
  - Promote healing and recovery from illness, surgery, or wounds

- Administer orally or as a modular tube feeding
- Use as part of a complete, balanced diet

## Features

- **HMB** (beta-hydroxy-beta-methylbutyrate) helps reverse muscle breakdown and increase protein synthesis
- Arginine supports protein synthesis and improves nitrogen balance
- Glutamine supports protein synthesis and preserves muscle glutamine
- Together, these three nutrients help build muscle and slow protein breakdown from muscle

## Availability

<u>Flavor</u>	<u>List No.</u>	<u>NDC Format Code</u>
— 0.81-oz (23-g) 30 packets/carton; 6 cartons/case packets;		
Orange.....	57935.....	59781-0225-50
Grape.....	57936.....	59781-0208-64
— 1 carton/case		
Orange.....	58012.....	59781-0225-51
Grape.....	58011.....	59781-0208-65



## Technical Nutrition Data

(At standard dilution: 1 packet [24 g] mixed with 8 fl oz of water)

Cal/serving	78
Amino acids (% Cal)	75.0
Carbohydrate (% Cal)	25.0
Fat (% Cal)	0
Kosher	Yes
Gluten-Free	Yes
Lactose-Free	Yes
Low-Residue	Yes
Osmolality (mOsm/kg H <sub>2</sub> O)	
Orange	451
Grape	469

## Nutrition Information

	Orange Packet		Grape Packet
Calories*	78	Calories*	78
Total Carbohydrate, g	7.7	Total Carbohydrate, g	7.6
Sugars, g	1	Sugars, g	2
Amino Acids		Amino Acids	
L-Arginine, g	7	L-Arginine, g	7
L-Glutamine, g	7	L-Glutamine, g	7
Potassium, mg	270	Potassium, mg	270
Calcium, mg	220	Calcium, mg	220
Phosphorus, mg	105	Phosphorus, mg	105
1.5 g of calcium beta-hydroxy-beta-methylbutyrate provides 1.2 g of HMB.		1.5 g of calcium beta-hydroxy-beta-methylbutyrate provides 1.2 g of HMB.	

\* Carbohydrates and HMB contribute 22 Cal; amino acids contribute 56 Cal.

<sup>1</sup> May PE et al: *Am J Surg* 2002;183:471-479.

<sup>2</sup> Clark RH et al: *JPEN* 2000;24:133-139.

<sup>3</sup> Williams JZ et al: *Ann Surg* 2002;3:369-375.

## JUVEN Ingredients

**(Orange):** ①-D L-Arginine, L-Glutamine, Citric Acid, Calcium Beta-Hydroxy-Beta-Methylbutyrate, Orange Juice Powder, Potassium Phosphate, Sugar (Sucrose), Natural Flavors, Aspartame, Acesulfame K, and FD&C Yellow #6. (FAN 8100-02)

**Phenylketonurics: Contains phenylalanine.**



For retail availability, go to [www.Juven.com](http://www.Juven.com).

HCPCS Code B4155

[www.Ross.com](http://www.Ross.com)

[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

[www.Juven.com](http://www.Juven.com)

# Nepro<sup>®</sup> with Carb Steady<sup>™</sup>

Therapeutic Nutrition for People on Dialysis



## Usage

NEPRO with Carb Steady is therapeutic nutrition specifically designed to help meet the needs and altered metabolism of patients on dialysis (Stage 5 kidney disease).

- In a study of NEPRO as supplemental nutrition, patients on dialysis had<sup>1</sup>:
  - increased serum albumin
  - increased serum prealbumin
  - improved nutritional status (as signified by SGA)
- New “Carb Steady” carbohydrate blend contains ingredients clinically shown to help manage blood glucose response<sup>2-6</sup>

- For tube or oral feeding
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- Contains only 5.9 g of sugar/8 fl oz
- Excellent source of protein (19.1 g /8 fl oz) to replace protein lost during dialysis and to help maintain lean body mass
- Contains NutraFlora<sup>®</sup> FOS to promote GI-tract health (See page 113 for more about FOS.)
- Low in phosphorus, potassium, and calcium
- High in folic acid and vitamin B<sub>6</sub>
- 100% Natural vitamin E

## Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case (Pending)</b>		
Homemade Vanilla . . . . .	59666 . . . . .	70074-0596-67
Butter Pecan . . . . .	59660 . . . . .	70074-0596-61
Mixed Berry . . . . .	59662 . . . . .	70074-0596-63
<b>— Ross Ready-To-Hang<sup>®</sup> 1000-mL prefilled containers; 8/case</b>		
Vanilla . . . . .	59677 . . . . .	70074-0596-78

Technical Nutrition Data		Nutrition Information (Homemade Vanilla)		Nutrition Information (Homemade Vanilla)			
		8 fl oz	1000 mL	8 fl oz	1000 mL		
Nutrient Density (Cal/mL)	1.8						
Protein (% Cal)	18.0	Calories	425	1800	Potassium, mg	250	1060
Carbohydrate (% Cal)	34.0	Protein, g	19.1	81.0	Potassium, mEq	6.4	27.2
Fat (% Cal)	48.0	Total Carbohydrate, g	39.4	166.8	Chloride, mg	200	845
Cal to meet 100% RDIs	1700	Dietary Fiber, g	3.7	15.6	Chloride, mEq	5.6	23.9
mL to meet 100% RDIs	948	FOS, g	2.2	9.5	Calcium, mg	250	1060
Kosher	Yes	Sugars, g	5.9	24.9	Phosphorus, mg	165	700
Gluten-Free	Yes	Sugar Alcohols, g	3.5	14.8	Magnesium, mg	50	210
Lactose-Free	Yes	Total Fat, g	22.7	96.0	Iodine, mcg	38	160
Low-Residue	No	Water, g/mL/cc	170	725	Manganese, mg	0.50	2.1
Total Cal/g Nitrogen	139:1	Vitamin A, IU	750	3180	Copper, mg	0.50	2.1
Nonprotein Cal/g Nitrogen	114:1	Vitamin D, IU	20	85	Zinc, mg	6.4	26
Osmolality, mOsm/kg H <sub>2</sub> O	600	Vitamin E, IU	23	95	Iron, mg	4.5	19
Renal Solute Load, mOsm/L	556	Vitamin K, mcg	20	85	Selenium, mcg	18	74
Viscosity		Vitamin C, mg	25	105	Chromium, mcg	30	125
Nectar-like (Room Temperature)		Folic Acid, mcg	250	1060	Molybdenum, mcg	19	79
Nectar-like (Chilled)		Thiamin (Vit B <sub>1</sub> ), mg	0.56	2.4	L-Carnitine, mg	63	265
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Riboflavin (Vit B <sub>2</sub> ), mg	0.64	2.7	Taurine, mg	38	160
		Vitamin B <sub>6</sub> , mg	2.0	8.5			
		Vitamin B <sub>12</sub> , mcg	2.3	9.5			
		Niacin, mg	7.5	32			
		Choline, mg	150	635	<sup>1</sup> Caglar K et al: <i>Kidney Int</i> 2002; 62(3):1054-1059.		
		Biotin, mcg	115	475	<sup>2</sup> Wolever T et al: <i>Can J Diabetes</i> 2002;26:356-362.		
		Pantothenic Acid, mg	3.8	16	<sup>3</sup> Seechi A et al: <i>Klin Wochenschr</i> 1986;64:265-269.		
		Sodium, mg	250	1060	<sup>4</sup> Wheeler ML et al: <i>Diabetes Care</i> 1991;14:769-771.		
		Sodium, mEq	10.9	46.1	<sup>5</sup> Wolf BW et al: <i>Nutr Res</i> 2001;21:1099-1106.		
					<sup>6</sup> Livsey G: <i>Br J Nutr</i> 2001;85:S7-S16.		

## NEPRO with Carb Steady Ingredients

(Homemade Vanilla): Ⓢ-D Water, Corn Syrup Solids, Caseinates (Calcium, Magnesium, and Sodium), High Oleic Safflower Oil, Canola Oil, Sugar (Sucrose), Maltitol Syrup, Milk Protein Isolate, Fructooligosaccharides, Corn Fiber, Soy Lecithin, Natural And Artificial Flavor, Sodium Citrate, Potassium Citrate, Calcium Citrate, Choline Chloride, Calcium Hydroxide, Salt (Sodium Chloride), Magnesium Hydroxide, Ascorbic Acid, L-Carnitine, Taurine, Magnesium Phosphate, Calcium Phosphate, Cellulose Gel, Zinc Sulfate, d-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Cellulose Gum, Calcium Pantothenate, Pyridoxine Hydrochloride, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>. (FAN 8135-01)

**Contains milk and soy ingredients.**

**HCPCS Code B4154**

**www.Ross.com**

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# Optimental®

Specialized Elemental Nutrition  
With Structured Lipids and FOS  
for Malabsorptive Conditions



## Usage

OPTIMENTAL is a ready-to-feed formula for patients for the dietary management of stress/trauma, Crohn's disease, and malabsorptive conditions requiring elemental diets, and for patients who can benefit from supplemental arginine.

- For tube or oral feeding
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- Complete and balanced nutrition
- Elemental protein system consisting of 67% soy

protein hydrolysate, 28% partially hydrolyzed sodium caseinate, and 5% arginine

- Contains an MCT/sardine oil structured lipid for excellent absorption of omega-3 fatty acids, fat-soluble vitamins, and antioxidants<sup>1,2</sup>
- Contains EPA (2.29 g/L) and DHA (1 g/L) to help modulate inflammation and support immune function<sup>1</sup>
- Includes 1.2 g of NutraFlora® FOS/8 fl oz (5 g/L). FOS are prebiotics that stimulate the growth of beneficial bacteria in the colon. (See page 113 for more about FOS.)
- Contains added arginine (5.5 g/L total arginine) for wound healing and immune support
- Elevated levels of antioxidants to help prevent free radical damage

## Availability

Flavor	List No.	NDC Format Code
— 8-fl-oz cans; 24/case		
Vanilla	54638	70074-0546-39
— Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case		
Unflavored	57045	70074-0570-46

Technical Nutrition Data		Nutrition Information			Nutrition Information		
		(Vanilla)	8 fl oz	1000 mL		8 fl oz	1000 mL
Nutrient Density (Cal/mL)	1.0	Calories	237	1000	Potassium, mg	415	1760
Protein (% Cal)	20.5	Protein, g	12.2	51.3	Potassium, mEq	10.7	45.0
Carbohydrate (% Cal)	54.5	Total Carbohydrate, g	32.9	138.7	Chloride, mg	320	1335
Fat (% Cal)	25.0	Dietary Fiber, g	1.2	5.0	Chloride, mEq	9.0	37.7
Cal to meet 100% RDIs	1422	FOS, g	1.2	5.0	Calcium, mg	250	1055
mL to meet 100% RDIs	1422	Total Fat, g	6.7	28.4	Phosphorus, mg	250	1055
Kosher	No	Water, g/mL/cc	197	832	Magnesium, mg	100	425
Gluten-Free	Yes	Vitamin A, IU	1950	8290	Iodine, mcg	38	160
Lactose-Free	Yes	Beta-Carotene, mg	0.84	3.6	Manganese, mg	0.84	3.6
Low-Residue	Yes	Vitamin D, IU	67	285	Copper, mg	0.34	1.5
Total Cal/g Nitrogen	122:1	Vitamin E, IU	50	215	Zinc, mg	3.8	16
Nonprotein Cal/g Nitrogen	97:1	Vitamin K, mcg	20	85	Iron, mg	3.0	13
Osmolality, mOsm/kg H <sub>2</sub> O	540	Vitamin C, mg	50	215	Selenium, mcg	12	50
Renal Solute Load, mOsm/L	421	Folic Acid, mcg	135	565	Chromium, mcg	20	85
Viscosity		Thiamin (Vit B <sub>1</sub> ), mg	0.50	2.2	Molybdenum, mcg	25	110
Thin (Room Temperature)		Riboflavin (Vit B <sub>2</sub> ), mg	0.57	2.4	L-Carnitine, mg	25	110
Thin (Chilled)		Vitamin B <sub>6</sub> , mg	0.67	2.9	Taurine, mg	25	110
Minimum Tube Size for Gravity/Pump Feeding, Fr	8/5	Vitamin B <sub>12</sub> , mcg	2.0	8.5			
		Niacin, mg	6.7	29			
		Choline, mg	100	425			
		Biotin, mcg	100	425			
		Pantothenic Acid, mg	3.4	15			
		Sodium, mg	250	1055			
		Sodium, mEq	10.9	45.9			

<sup>1</sup> Kenler AS et al: *Ann Surg* 1996;223(3):316-333.

<sup>2</sup> Tso P et al: *J Nutr* 2001;131:2157-2163.

## OPTIMENTAL Ingredients

**(Vanilla):** Water, Corn Maltodextrin, Sugar (Sucrose), Soy Protein Hydrolysate, Structured Lipid (Interesterified Sardine Oil and Medium Chain Triglycerides), Partially Hydrolyzed Sodium Caseinate, Fructooligosaccharides, Canola Oil, Soybean Oil, Calcium Phosphate, Natural and Artificial Flavor, L-Arginine, Sodium Citrate, Cellulose Gel, Magnesium Phosphate, Diacetyl Tartaric Acid Esters of Mono-Diglycerides, Magnesium Chloride, Potassium Citrate, Ascorbic Acid, Choline Chloride, Cellulose Gum, d-Alpha-Tocopheryl Acetate, Taurine, L-Carnitine, Zinc Sulfate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Beta-Carotene, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Biotin, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>. (FAN 7958-01)

**Contains milk and soy ingredients.**

**HCPSC Code B4153**

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# Osmolite®

Isotonic Nutrition



## Usage

OSMOLITE is an isotonic, low-residue tube-feeding formula.

- For tube feeding
- For supplemental or sole-source nutrition
- May be used for oral feeding of patients with altered taste perception
- Not for parenteral use

## Features

- Source of Complete, Balanced Nutrition®
- Low-residue, isotonic formula for those intolerant of hyperosmolar feedings
- Meets or exceeds at least 100% of the RDIs for 24 essential vitamins and minerals in 2000 Cal (1887 mL)
- Kosher
- Lactose- and gluten-free
- Low-residue

## Availability

<u>Flavor</u>	<u>List No.</u>	<u>NDC Format Code</u>
<b>— 8-fl-oz cans; 24/case</b>		
Unflavored . . . . .	00709 . . . . .	70074-0407-09
<b>— Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case</b>		
Unflavored . . . . .	50350 . . . . .	70074-0503-51

Technical Nutrition Data		Nutrition Information		Nutrition Information			
		8 fl oz	1000 mL	8 fl oz	1000 mL		
Nutrient Density (Cal/mL)	1.06	Calories	250	1060	Calcium, mg	125	535
Protein (% Cal)	14.0	Protein, g	8.8	37.1	Phosphorus, mg	125	535
Carbohydrate (% Cal)	57.0	Total Carbohydrate, g	35.6	151.1	Magnesium, mg	50	215
Fat (% Cal)	29.0	Total Fat, g	8.2	34.7	Iodine, mcg	19	80
MCT:LCT	20:80	Water, g/mL/cc	199	841	Manganese, mg	0.62	2.7
Cal to meet 100% RDIs	2000	Vitamin A, IU	625	2660	Copper, mg	0.25	1.1
mL to meet 100% RDIs	1887	Vitamin D, IU	50	215	Zinc, mg	2.9	12
Kosher	Yes	Vitamin E, IU	5.7	24	Iron, mg	2.3	9.6
Gluten-Free	Yes	Vitamin K, mcg	10	43	Selenium, mcg	9.0	38
Lactose-Free	Yes	Vitamin C, mg	38	160	Chromium, mcg	15	64
Low-Residue	Yes	Folic Acid, mcg	100	425	Molybdenum, mcg	19	80
Total Cal/g Nitrogen	178:1	Thiamin (Vit B <sub>1</sub> ), mg	0.38	1.6	L-Carnitine, mg	19	80
Nonprotein Cal/g Nitrogen	153:1	Riboflavin (Vit B <sub>2</sub> ), mg	0.43	1.9	Taurine, mg	19	80
Osmolality, mOsm/kg H <sub>2</sub> O	300	Vitamin B <sub>6</sub> , mg	0.50	2.2			
Renal Solute Load, mOsm/L	289	Vitamin B <sub>12</sub> , mcg	1.5	6.4			
Viscosity		Niacin, mg	5.0	22			
Thin (Room Temperature)		Choline, mg	75	320			
Thin (Chilled)		Biotin, mcg	75	320			
Minimum Tube Size for Gravity/Pump Feeding, Fr	8/5	Pantothenic Acid, mg	2.5	11			
		Sodium, mg	150	640			
		Sodium, mEq	6.5	27.8			
		Potassium, mg	240	1020			
		Potassium, mEq	6.1	26.1			
		Chloride, mg	200	850			
		Chloride, mEq	5.6	24			

## OSMOLITE Ingredients

①-D Water, Corn Syrup Solids, Sodium and Calcium Caseinate, Canola Oil, Soy Protein Isolate, Corn Oil, Medium Chain Triglycerides, Potassium Citrate, Soy Lecithin, Calcium Phosphate, Magnesium Chloride, Ascorbic Acid, Choline Chloride, Sodium Citrate, Carrageenan, Potassium Chloride, Magnesium Phosphate, Taurine, L-Carnitine, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>. (FAN 8092-09)

**Contains milk and soy ingredients.**

HCPCS Code B4150

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[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Osmolite®

## 1 CAL

Isotonic Nutrition



### Usage

OSMOLITE 1 CAL is a tube-feeding formula for patients with caloric requirements of less than 2000 Cal per day or for patients with increased protein requirements.

- For tube feeding
- For supplemental or sole-source nutrition
- May be used for oral feeding of patients with altered taste perception
- Not for parenteral use

### Features

- Source of Complete, Balanced Nutrition® for long-term tube feeding

- Provides protein to help support lean body mass and wound healing
- Meets or exceeds 100% of the RDI for 24 essential vitamins and minerals in 1400 Cal (1321 mL)
- Low-residue, isotonic formula for those intolerant of hyperosmolar feedings
- Fat blend contains canola, MCT, and corn oils and soy lecithin. Patients who absorb lipids improperly may benefit from consuming a formula that contains MCT oil as part of the fat source
- Kosher
- Lactose- and gluten-free
- Low-residue

### Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Unflavored . . . . .	00735 . . . . .	70074-0407-35
<b>— Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case</b>		
Unflavored . . . . .	00668 . . . . .	70074-0806-68
<b>— 1500-mL prefilled containers; 6/case</b>		
Unflavored . . . . .	52600 . . . . .	70074-0526-01



Technical Nutrition Data		Nutrition Information							
		8 fl oz	1000 mL	1500 mL		8 fl oz	1000 mL	1500 mL	
Nutrient Density (Cal/mL)	1.06				Calories	180	760	1140	
Protein (% Cal)	16.7	Calories	250	1060	1590	Calcium, mg	180	760	1140
Carbohydrate (% Cal)	54.3	Protein, g	10.5	44.3	66.4	Phosphorus, mg	180	760	1140
Fat (% Cal)	29.0	Total Carbohydrate, g	33.9	143.9	215.7	Magnesium, mg	72	305	455
MCT:LCT	20:80	Total Fat, g	8.2	34.7	52.1	Iodine, mcg	27	115	175
Cal to meet 100% RDIs	1400	Water, g/mL/cc	199	842	1260	Manganese, mg	0.90	3.8	5.7
mL to meet 100% RDIs	1321	Vitamin A, IU	895	3790	5690	Copper, mg	0.36	1.6	2.3
Kosher	Yes	Vitamin D, IU	72	305	455	Zinc, mg	4.1	18	26
Gluten-Free	Yes	Vitamin E, IU	8.1	35	52	Iron, mg	3.3	14	21
Lactose-Free	Yes	Vitamin K, mcg	15	61	91	Selenium, mcg	13	54	80
Low-Residue	Yes	Vitamin C, mg	54	230	345	Chromium, mcg	22	91	140
Total Cal/g Nitrogen	150:1	Folic Acid, mcg	110	455	685	Molybdenum, mcg	27	115	175
Nonprotein Cal/g Nitrogen	125:1	Thiamin (Vit B <sub>1</sub> ), mg	0.41	1.8	2.6	L-Carnitine, mg	27	115	175
Osmolality, mOsm/kg H <sub>2</sub> O	300	Riboflavin (Vit B <sub>2</sub> ), mg	0.46	2.0	2.9	Taurine, mg	27	115	175
Renal Solute Load, mOsm/L	374	Vitamin B <sub>6</sub> , mg	0.54	2.3	3.5				
Viscosity		Vitamin B <sub>12</sub> , mcg	1.7	6.9	11				
Thin (Room Temperature)		Niacin, mg	5.4	23	35				
Thin (Chilled)		Choline, mg	110	455	685				
Minimum Tube Size for Gravity/Pump Feeding, Fr	8/5	Biotin, mcg	81	345	515				
		Pantothenic Acid, mg	2.7	12	18				
		Sodium, mg	220	930	1395				
		Sodium, mEq	9.6	40.4	60.6				
		Potassium, mg	370	1570	2355				
		Potassium, mEq	9.5	40.2	60.4				
		Chloride, mg	340	1440	2160				
		Chloride, mEq	9.6	40.7	61.0				

## OSMOLITE 1 CAL Ingredients

①-D Water, Corn Maltodextrin, Corn Syrup Solids, Sodium and Calcium Caseinates, Soy Protein Isolate, Canola Oil, Corn Oil, Medium Chain Triglycerides, Calcium Phosphate, Soy Lecithin, Potassium Citrate, Potassium Chloride, Sodium Citrate, Manganese Phosphate, Magnesium Chloride, Ascorbic Acid, Choline Chloride, Calcium Carbonate, Carrageenan, Taurine, L-Carnitine, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>. (FAN 8092-09)

**Contains milk and soy ingredients.**

Note: Minor ingredient differences exist in Ready-To-Hang®. For details, consult the product label.

**HCPCS Code B4150**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Osmolite®

## 1.2 CAL

High-Protein Nutrition



### Usage

OSMOLITE 1.2 CAL is a source of Complete, Balanced Nutrition® and a high-protein, low-residue formula for tube-fed patients who may benefit from increased protein and calories.

- For tube feeding
- For supplemental or sole-source nutrition
- May be used for oral feeding of patients with altered taste perception
- Not for parenteral use

### Features

- Concentrated calories (1.2 Cal/mL) and high

in protein (18.5% of Cal) to help patients gain and maintain healthy weight. Protein is needed for lean body tissue maintenance and repair

- Meets or exceeds 100% of the RDI for 24 essential vitamins and minerals in 1200 Cal (1 Liter)
- Fat blend contains high-oleic safflower, canola, and MCT oils and lecithin. Patients who absorb lipids improperly may benefit from consuming a formula that contains MCT oil as part of the fat source
- Kosher
- Lactose- and gluten-free
- Low in residue, which may be beneficial when a low-fiber diet is required

### Availability

Flavor	List No.	NDC Format Code
— 8-fl-oz cans; 24/case		
Unflavored . . . . .	53120 . . . . .	70074-0531-21
— Ross Ready-To-Hang® 1000-mL Prefilled Container; 8/case		
Unflavored . . . . .	53122 . . . . .	70074-0531-23
— 1500-mL prefilled containers; 6/case		
Unflavored . . . . .	53116 . . . . .	70074-0531-17

Technical Nutrition Data		Nutrition Information			Nutrition Information				
		8 fl oz	1000 mL	1500 mL	8 fl oz	1000 mL	1500 mL		
Nutrient Density (Cal/mL)	1.2								
Protein (% Cal)	18.5	Calories	285	1200	1800	Chloride, mg	370	1540	2310
Carbohydrate (% Cal)	52.5	Protein, g	13.2	55.5	83.3	Chloride, mEq	10.4	43.5	65.2
Fat (% Cal)	29.0	Total Carbohydrate, g	37.5	157.5	236.1	Calcium, mg	285	1200	1800
MCT:LCT	20:80	Total Fat, g	9.3	39.3	59.0	Phosphorus, mg	285	1200	1800
Cal to meet 100% RDIs	1200	Water, g/mL/cc	195	820	1230	Magnesium, mg	96	400	600
mL to meet 100% RDIs	1000	Vitamin A, IU	1190	5000	7500	Iodine, mcg	36	150	225
Kosher	Yes	Beta-Carotene, mg	0.59	2.5	3.7	Manganese, mg	1.2	5.0	7.5
Gluten-Free	Yes	Vitamin D, IU	96	400	600	Copper, mg	0.48	2.0	3.0
Lactose-Free	Yes	Vitamin E, IU	11	45	68	Zinc, mg	5.4	23	34
Low-Residue	Yes	Vitamin K, mcg	20	80	120	Iron, mg	4.3	18	27
Total Cal/g Nitrogen	135:1	Vitamin C, mg	72	300	450	Selenium, mcg	17	70	105
Nonprotein Cal/g Nitrogen	110:1	Folic Acid, mcg	145	600	900	Chromium, mcg	29	120	180
Osmolality, mOsm/kg H <sub>2</sub> O	360	Thiamin (Vit B <sub>1</sub> ), mg	0.54	2.3	3.4	Molybdenum, mcg	36	150	225
Renal Solute Load, mOsm/L	465	Riboflavin (Vit B <sub>2</sub> ), mg	0.61	2.6	3.9	L-Carnitine, mg	36	150	230
Viscosity		Vitamin B <sub>6</sub> , mg	0.72	3.0	4.5	Taurine, mg	36	150	230
Nectar-like (Room Temperature)		Vitamin B <sub>12</sub> , mcg	2.2	9.0	14				
Nectar-like (Chilled)		Niacin, mg	7.2	30	45				
Minimum Tube Size for Gravity/Pump Feeding, Fr	8/5	Choline, mg	145	600	900				
		Biotin, mcg	110	450	675				
		Pantothenic Acid, mg	3.6	15	23				
		Sodium, mg	320	1340	2010				
		Sodium, mEq	13.9	58.3	87.4				
		Potassium, mg	430	1810	2710				
		Potassium, mEq	11.0	46.4	69.5				

## OSMOLITE 1.2 CAL Ingredients

①-D Water, Corn Maltodextrin, Sodium Caseinate, High Oleic Safflower Oil, Calcium Caseinate, Canola Oil, Medium Chain Triglycerides, Calcium Phosphate, Sodium Citrate, Magnesium Phosphate, Soy Lecithin, Potassium Citrate, Potassium Chloride, Magnesium Chloride, Cellulose Gel, Ascorbic Acid, Choline Chloride, Potassium Phosphate, Taurine, L-Carnitine, Cellulose Gum, Zinc Sulfate, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Beta-Carotene, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>. (FAN 7956-01)

**Contains milk and soy ingredients.**

Note: Minor ingredient differences exist in Ready-To-Hang®. For details, consult the product label.

**HCPCS Code B4150**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Osmolite® 1.5 CAL

High-Protein, High-Calorie Nutrition



## Usage

OSMOLITE 1.5 CAL is a source of Complete, Balanced Nutrition® and a low-residue formula for tube-fed patients with increased calorie and protein needs, or for those with limited volume tolerance.

- For sole-source nutrition via a feeding tube
- Not for parenteral use

## Features

- High in calories (1.5 Cal/mL) and protein (62.7 g/L) to help patients gain and maintain healthy weight
- Meets or exceeds 100% of the RDI for 24 essential vitamins and minerals in 1500 Cal (1 Liter)

- Fat blend includes MCT oil. Patients with fat malabsorption may benefit from consuming a formula that contains MCT oil
- Fortified with ultratrace minerals and conditionally essential nutrients—important ingredients for the tube-fed patient
- Kosher
- Lactose- and gluten-free
- Low-residue

## Availability

Flavor	List No.	NDC Format Code
— 8-fl-oz cans; 24/case		
Unflavored	57469	70074-0574-70
— Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case		
Unflavored	57471	70074-0574-72

Technical Nutrition Data		Nutrition Information		Nutrition Information			
		8 fl oz	1000 mL	8 fl oz	1000 mL		
Nutrient Density (Cal/mL)	1.5	Calories	355	1500	Chloride, mEq	405	1700
Protein (% Cal)	16.7	Protein, g	14.9	62.7	Chloride, mEq	11.4	48.0
Carbohydrate (% Cal)	54.3	Total Carbohydrate, g	48.2	203.6	Calcium, mg	240	1000
Fat (% Cal)	29.0	Total Fat, g	11.6	49.1	Phosphorus, mg	240	1000
MCT:LCT	20:80	Water, g/mL/cc	181	762	Magnesium, mg	95	400
Cal to meet 100% RDIs	1500	Vitamin A, IU	1975	8320	Iodine, mcg	36	150
mL to meet 100% RDIs	1000	Beta-Carotene, mg	0.81	2.5	Manganese, mg	1.2	5.0
Kosher	Yes	Vitamin D, IU	95	400	Copper, mg	0.48	2.0
Gluten-Free	Yes	Vitamin E, IU	11	45	Zinc, mg	5.5	23
Lactose-Free	Yes	Vitamin K, mcg	19	80	Iron, mg	4.3	18
Low-Residue	Yes	Vitamin C, mg	57	240	Selenium, mcg	17	70
Total Cal/g Nitrogen	150:1	Folic Acid, mcg	190	800	Chromium, mcg	29	120
Nonprotein Cal/g Nitrogen	125:1	Thiamin (Vit B <sub>1</sub> ), mg	0.71	3.0	Molybdenum, mcg	36	150
Osmolality, mOsm/kg H <sub>2</sub> O	525	Riboflavin (Vit B <sub>2</sub> ), mg	0.81	3.4	L-Carnitine, mg	36	150
Renal Solute Load, mOsm/L	512	Vitamin B <sub>6</sub> , mg	0.95	4.0	Taurine, mg	36	150
Viscosity		Vitamin B <sub>12</sub> , mcg	2.9	12			
Nectar-like (Room Temperature)		Niacin, mg	9.5	40			
Nectar-like (Chilled)		Choline, mg	145	600			
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Biotin, mcg	145	600			
		Pantothenic Acid, mg	4.8	20			
		Sodium, mg	330	1400			
		Sodium, mEq	14.3	60.9			
		Potassium, mg	424	1800			
		Potassium, mEq	10.9	46			

## OSMOLITE 1.5 CAL Ingredients

Ⓢ-D Water, Corn Maltodextrin, Sodium and Calcium Caseinates, High Oleic Safflower Oil, Canola Oil, Soy Protein Isolate, Medium Chain Triglycerides, Magnesium Chloride, Potassium Citrate, Calcium Phosphate, Sodium Citrate, Soy Lecithin, Choline Chloride, Ascorbic Acid, Taurine, L-Carnitine, Carrageenan, Zinc Sulfate, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Beta-Carotene, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 7992-01)

**Contains milk and soy ingredients.**

HCPCS Code B4152  
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# Oxepa®

Therapeutic Nutrition for Modulating Inflammation in Sepsis, ARDS, and ALI



## Usage

OXEPA is clinically shown to modulate the inflammatory response in critically ill, mechanically ventilated patients, including those with sepsis, SIRS (systemic inflammatory response syndrome), ALI (acute lung injury), or ARDS (acute respiratory distress syndrome).<sup>1-3</sup>

- For tube feeding
- For sole-source nutrition
- Not for parenteral use

## Features

- Calorically dense (1.5 Cal/mL)—concentrated calories for fluid-restricted patients
- Unique, patented oil blend—contains 4.6 g/L of EPA<sup>4</sup> and 4 g/L of GLA,<sup>5</sup> to help modulate inflammation<sup>6-8</sup>
- Elevated levels of antioxidants—to help prevent free radical damage
- Meets or exceeds 100% of the RDI for 24 essential vitamins and minerals in 1420 Cal (946 mL)

## Availability

Flavor	List No.	NDC Format Code
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— 8-fl-oz cans, 24/case

Unflavored . . . . .	54386 . . . . .	70074-0543-87
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— Ross Ready-To-Hang® 1000-mL pre-filled containers; 8/case

Unflavored . . . . .	57043 . . . . .	70074-0570-44
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Technical Nutrition Data		Nutrition Information		Nutrition Information			
		8 fl oz	1000 mL	8 fl oz	1000 mL		
Nutrient Density (Cal/mL)	1.5	Calories	355	1500	Chloride, mg	400	1690
Protein (% Cal)	16.7	Protein, g	14.8	62.7	Chloride, mEq	11.3	47.7
Carbohydrate (% Cal)	28.1	Total Carbohydrate, g	25.0	105.3	Calcium, mg	250	1060
Fat (% Cal)	55.2	Total Fat, g	22.2	93.8	Phosphorus, mg	250	1060
MCT:LCT	25:75	Water, g/mL/cc	186	785	Magnesium, mg	100	425
Cal to meet 100% RDIs	1420	Vitamin A, IU	2840	11,910	Iodine, mcg	38	160
mL to meet 100% RDIs	946	Beta-Carotene, mg	1.2	5.0	Manganese, mg	1.3	5.3
Kosher	No	Vitamin D, IU	100	425	Copper, mg	0.50	2.2
Gluten-Free	Yes	Vitamin E, IU	75	320	Zinc, mg	5.7	24
Lactose-Free	Yes	Vitamin K, mcg	20	85	Iron, mg	4.5	20
Low-Residue	Yes	Vitamin C, mg	205	850	Selenium, mcg	18	74
Total Cal/g Nitrogen	150:1	Folic Acid, mcg	200	850	Chromium, mcg	30	130
Nonprotein Cal/g Nitrogen	125:1	Thiamin (Vit B <sub>1</sub> ), mg	0.75	3.2	Molybdenum, mcg	38	160
Osmolality, mOsm/kg H <sub>2</sub> O	535	Riboflavin (Vit B <sub>2</sub> ), mg	0.85	3.6	L-Carnitine, mg	43	185
Renal Solute Load, mOsm/L	512	Vitamin B <sub>6</sub> , mg	1.0	4.3	Taurine, mg	75	320
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Vitamin B <sub>12</sub> , mcg	3.0	13			
		Niacin, mg	10	43			
		Choline, mg	150	635			
		Biotin, mcg	150	635			
		Pantothenic Acid, mg	5.0	22			
		Sodium, mg	310	1310			
		Sodium, mEq	13.5	57.0			
		Potassium, mg	465	1960			
		Potassium, mEq	11.9	50.1			

<sup>1</sup> Gadek JE et al: *Crit Care Med* 1999;27(8):1409-1420.

<sup>2</sup> Singer P et al: *Crit Care Med* 2006;34(4):1033-1038.

<sup>3</sup> Pontes-Arruda A et al: *Crit Care Med* 2006;34(9):2325-2333.

<sup>4</sup> EPA = eicosapentaenoic acid (from sardine oil)

<sup>5</sup> GLA = gamma-linolenic acid (from borage oil)

<sup>6</sup> Murray MJ et al: *Am J Physiol* 1995;269(Heart Circ Physiol 38):H2090-H2099.

<sup>7</sup> Horrobin DF: *Rev Contemp Pharmacotherapy* 1990;1:1-45.

<sup>8</sup> Pacht ER et al: *Crit Care Med* 2003;31(2):491-500.

## OXEPA Ingredients

Water, Sodium and Calcium Caseinates, Sugar (Sucrose), Corn Maltodextrin, Canola Oil, Medium Chain Triglycerides, Sardine Oil, Borage Oil, Magnesium Chloride, Calcium Phosphate, Soy Lecithin, Potassium Citrate, Sodium Citrate, Ascorbic Acid, Potassium Phosphate, Natural and Artificial Flavor, Choline Chloride, Taurine, d-Alpha-Tocopheryl Acetate, L-Carnitine, Salt (Sodium Chloride), Gellan Gum, Zinc Sulfate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Beta-Carotene, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 7959-02)

**Contains milk and soy ingredients.**

**HCPSC Code B4154**

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# PediaSure®

Complete, Balanced Nutrition®



## Usage

PEDIASURE is a source of Complete, Balanced Nutrition® especially designed for oral feeding of children 1 to 13 years of age. PEDIASURE meets or exceeds 100% of the DRIs for protein, vitamins, and minerals for children 1 to 8 years of age in 1000 mL, and for children 9 to 13 years of age in 1500 mL.

- May be used as the sole source of nutrition or as a supplement
- For oral feeding
- Not intended for infants under 1 year of age unless specified by a physician

- Not for children with galactosemia
- Not for parenteral use

## Features

- Milk-based, complete, balanced nutrition
- 1.0 Cal per mL, 237 Cal per 8 fl oz, from a balanced distribution of protein, fat, and carbohydrate
- Lactose- and gluten-free
- “Kid-Approved” flavors encourage compliance

## Availability (See page 134 for retail list numbers.)

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Vanilla	55897	70074-0558-98
Chocolate	51882	70074-0518-83
Strawberry	51880	70074-0518-81
Banana Cream	51884	70074-0518-85
Orange Cream	57841	70074-0578-42



Technical Nutrition Data		Nutrition Information			Nutrition Information				
		8 fl oz (237 mL)	1000 mL	1500 mL	8 fl oz (237 mL)	1000 mL	1500 mL		
Nutrient Density (Cal/mL)	1.0	Calories	237	1000	1500	Chloride, mg	240	1014	1522
Protein (% Cal)	12	Protein, g	7	30	44	Chloride, mEq	6.8	28.7	43.0
Carbohydrate (% Cal)	53	Total Carbohydrate, g	31	131	197	Calcium, mg	230	972	1458
Fat (% Cal)	35	Total Fat, g	9	38	57	Phosphorus, mg	200	845	1268
Cal/mL to meet 100% DRIs for Children ages 1-8 years	1000	Water, g/mL/cc	200	845	1268	Magnesium, mg	47	199	298
Cal/mL to meet 100% DRIs for Children ages 9-13 years	1500	Vitamin A, IU	380	1606	2409	Iodine, mcg	23	97	146
Kosher	Yes	Vitamin D, IU	120	507	761	Manganese, mg	0.36	1.5	2.3
Lactose-Free	Yes	Vitamin E, IU	5.4	23	34	Copper, mg	0.24	1.0	1.5
Gluten-Free	Yes	Vitamin K, mcg	14	59	89	Zinc, mg	1.4	6	9
Osmolality, mOsm/kg H <sub>2</sub> O	480	Vitamin C, mg	24	101	152	Iron, mg	3.3	14	21
Potential Renal Solute Load, mOsm/L	275	Folic Acid, mcg	71	300	450	Selenium, mcg	7.6	32	48
		Thiamin (Vit B <sub>1</sub> ), mg	0.64	2.7	4.0	Chromium, mcg	7.1	30	45
		Riboflavin (Vit B <sub>2</sub> ), mg	0.50	2.1	3.2	Molybdenum, mcg	8.5	36	54
		Vitamin B <sub>6</sub> , mg	0.62	2.6	3.9	L-Carnitine, mg	4	17	25
		Vitamin B <sub>12</sub> , mcg	1.4	6	9	Taurine, mg	17	72	108
		Niacin, mg	2.4	10	15				
		Choline, mg	71	300	450				
		Biotin, mcg	45	190	285				
		Pantothenic Acid, mg	2.4	10	15				
		Inositol, mg	19	80	120				
		Sodium, mg	90	380	571				
		Sodium, mEq	3.9	16.5	24.8				
		Potassium, mg	310	1310	1965				
		Potassium, mEq	7.9	33.5	50.3				

## PEDIASURE Ingredients

(Vanilla): Ⓢ-D Water, Sugar (Sucrose), Corn Maltodextrin, Milk Protein Concentrate, High Oleic Safflower Oil, Soy Oil, Whey Protein Concentrate, Medium Chain Triglycerides; **Less than 0.5% of:** Soy Protein Isolate, Natural and Artificial Flavors, Cellulose Gel, Dextrose, Potassium Citrate, Magnesium Phosphate, Calcium Phosphate, Potassium Chloride, Salt (Sodium Chloride), Potassium Phosphate, Cellulose Gum, Choline Chloride, Soy Lecithin, Monoglycerides, Ascorbic Acid, Calcium Carbonate, m-Inositol, Carrageenan, Taurine, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, Manganese Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Potassium Iodide, Potassium Hydroxide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8151-02)

**Contains soy and milk ingredients.**

**HCPCS Code B4160**  
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[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)  
[www.PediaSure.com](http://www.PediaSure.com)

# PediaSure® Enteral Formula

Complete, Balanced Nutrition®



## Usage

PEDIASURE ENTERAL FORMULA is a source of Complete, Balanced Nutrition® especially designed for tube feeding of children 1 to 13 years of age. PEDIASURE ENTERAL FORMULA meets or exceeds 100% of the DRIs for protein, vitamins, and minerals for children 1 to 8 years of age in 1000 mL, and for children 9 to 13 years of age in 1500 mL.

- May be used as the sole source of nutrition or as a supplement
- For tube feeding
- Not intended for infants under 1 year of age unless specified by a physician

- Not for children with galactosemia
- Not for parenteral use

## Features

- Milk-based, complete, balanced nutrition
- 1.0 Cal per mL, 237 Cal per 8 fl oz, from a balanced distribution of protein, fat, and carbohydrate
- Lactose- and gluten-free
- Mild vanilla flavor

## Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Vanilla	51804	70074-0518-05
<b>— Ross Ready-To-Hang® 500-mL pre-filled containers; 8/case</b>		
Vanilla	59783	70074-0597-84 (Pending)

Technical Nutrition Data		Nutrition Information				Nutrition Information					
		8 fl oz (237 mL)	500 mL	1000 mL	1500 mL	8 fl oz (237 mL)	500 mL	1000 mL	1500 mL		
Nutrient Density (Cal/mL)	1.0	Calories	237	500	1000	1500	Chloride, mg	240	500	1014	1522
Protein (% Cal)	12	Protein, g	7	15	30	44	Chloride, mEq	6.8	14.1	28.7	43.0
Carbohydrate (% Cal)	53	Total Carbohydrate, g	31	66	131	197	Calcium, mg	230	480	972	1458
Fat (% Cal)	35	Total Fat, g	9	20	38	57	Phosphorus, mg	200	420	845	1268
Cal/mL to meet 100% DRIs for Children ages 1-8 years	1000	Water, g/mL/cc	200	420	845	1268	Magnesium, mg	47	99	199	298
Cal/mL to meet 100% DRIs for Children ages 9-13 years	1500	Vitamin A, IU	380	800	1606	2409	Iodine, mcg	23	49	97	146
Kosher	Yes	Vitamin D, IU	120	250	507	761	Manganese, mg	0.36	0.8	1.5	2.3
Gluten-Free	Yes	Vitamin E, IU	5.4	11	23	34	Copper, mg	0.24	0.5	1.0	1.5
Lactose-Free	Yes	Vitamin K, mcg	14	30	59	89	Zinc, mg	1.4	3	6	9
Osmolality, mOsm/kg H <sub>2</sub> O	335	Vitamin C, mg	24	51	101	152	Iron, mg	3.3	7	14	21
Potential Renal Solute Load, mOsm/L	275	Folic Acid, mcg	71	150	300	450	Selenium, mcg	7.6	16	32	48
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Thiamin (Vit B <sub>1</sub> ), mg	0.64	1.4	2.7	4.0	Chromium, mcg	7.1	15	30	45
		Riboflavin (Vit B <sub>2</sub> ), mg	0.50	1.1	2.1	3.2	Molybdenum, mcg	8.5	18	36	54
		Vitamin B <sub>6</sub> , mg	0.62	1.3	2.6	3.9	L-Carnitine, mg	4	8	17	25
		Vitamin B <sub>12</sub> , mcg	1.4	3	6	9	Taurine, mg	17	36	72	108
		Niacin, mg	2.4	5	10	15					
		Choline, mg	71	150	300	450					
		Biotin, mcg	45	95	190	285					
		Pantothenic Acid, mg	2.4	5	10	15					
		Inositol, mg	19	40	80	120					
		Sodium, mg	90	190	380	571					
		Sodium, mEq	3.9	8.3	16.5	24.8					
		Potassium, mg	310	650	1310	1965					
		Potassium, mEq	7.9	16.7	33.5	50.3					

## PEDIASURE ENTERAL FORMULA Ingredients

(Vanilla): Ⓢ-D Water, Corn Maltodextrin, Milk Protein Concentrate, Sugar (Sucrose), High Oleic Safflower Oil, Soy Oil, Medium Chain Triglycerides; **Less Than 0.5% of:** Natural and Artificial Flavor, Dextrose, Potassium Citrate, Magnesium Phosphate, Cellulose Gel, Salt (Sodium Chloride), Potassium Chloride, Calcium Phosphate, Potassium Phosphate, Choline Chloride, Soy Lecithin, Mono- and Diglycerides, Carrageenan, Ascorbic Acid, Cellulose Gum, m-Inositol, Taurine, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, Manganese Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 7959-01)

**Contains milk and soy ingredients.**

HCPCS Code B4160  
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[www.Ross/Reimbursement](http://www.Ross/Reimbursement)  
[www.PediaSure.com](http://www.PediaSure.com)

# PediaSure<sup>®</sup> With Fiber

Complete, Balanced Nutrition<sup>®</sup>



## Usage

PEDIASURE WITH FIBER is a source of Complete, Balanced Nutrition<sup>®</sup> for oral feeding of children 1 to 13 years of age. The fiber level in PEDIASURE WITH FIBER helps maintain normal bowel function. May be used as the sole source of nutrition or as a supplement. PEDIASURE WITH FIBER meets or exceeds 100% of the DRIs for protein, vitamins, and minerals for children 1 to 8 years of age in 1000 mL, and for children 9 to 13 years of age in 1500 mL.

- Contains 1.2 g fiber/8 fl oz (from soy fiber)

- May be used as the sole source of nutrition or as a supplement
- For oral feeding
- Not intended for infants under 1 year of age unless specified by a physician
- Not for children with galactosemia
- Not for parenteral use

## Features

- Milk-based, complete, balanced nutrition
- 1.0 Cal per mL, 237 Cal per 8 fl oz, from a balanced distribution of protein, fat, and carbohydrate
- Lactose- and gluten-free
- “Kid-Approved” mild vanilla flavor

**Availability** (See page 134 for retail list numbers.)

Flavor	List No.	NDC Format Code
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— 8-fl-oz cans; 24/case

Vanilla	58220	70074-0582-21
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Technical Nutrition Data		Nutrition Information					
		8 fl oz	1000 mL	1500 mL			
Nutrient Density (Cal/mL)	1.0						
Protein (% Cal)	12	Calories	237	1000	1500		
Carbohydrate (% Cal)	53	Protein, g	7	30	44	Chloride, mg	240
Fat (% Cal)	35	Total Carbohydrate, g	32	135	203	Chloride, mEq	6.8
Cal/mL to meet 100% DRIs for Children ages 1-8 years	1000	Dietary Fiber, g	1.2	5.0	7.6	Calcium, mg	230
Cal/mL to meet 100% DRIs for Children ages 9-13 years	1500	Total Fat, g	9	38	60	Phosphorus, mg	200
Kosher	Yes	Water, g/mL/cc	199	845	1268	Magnesium, mg	47
Gluten-Free	Yes	Vitamin A, IU	380	1606	2409	Iodine, mcg	23
Lactose-Free	Yes	Vitamin D, IU	120	507	761	Manganese, mg	0.36
Osmolality, mOsm/kg H <sub>2</sub> O	480	Vitamin E, IU	5.4	23	34	Copper, mg	0.24
Potential Renal Solute Load, mOsm/L	275	Vitamin K, mcg	14	59	89	Zinc, mg	1.4
		Vitamin C, mg	24	101	152	Iron, mg	3.3
		Folic Acid, mcg	71	300	450	Selenium, mcg	7.6
		Thiamin (Vit B <sub>1</sub> ), mg	0.64	2.7	4.0	Chromium, mcg	7.1
		Riboflavin (Vit B <sub>2</sub> ), mg	0.50	2.0	3.2	Molybdenum, mcg	8.5
		Vitamin B <sub>6</sub> , mg	0.62	2.6	3.9	L-Carnitine, mg	4
		Vitamin B <sub>12</sub> , mcg	1.4	6	9	Taurine, mg	17
		Niacin, mg	2.4	10	15		
		Choline, mg	71	300	450		
		Biotin, mcg	45	190	285		
		Pantothenic Acid, mg	2.4	10	15		
		Inositol, mg	19	80	120		
		Sodium, mg	90	380	571		
		Sodium, mEq	3.9	16.5	24.8		
		Potassium, mg	310	1310	1965		
		Potassium, mEq	7.9	33.5	50.3		

## PEDIASURE WITH FIBER Ingredients

①-D Water, Sugar (Sucrose), Corn Maltodextrin, Milk Protein Concentrate, High Oleic Safflower Oil, Soy Oil, Soy Protein Isolate, Soy Fiber, Medium Chain Triglycerides; **Less than 0.5% of:** Natural and Artificial Flavors, Dextrose, Potassium Citrate, Magnesium Phosphate, Potassium Chloride, Calcium Phosphate, Salt (Sodium chloride), Potassium Phosphate, Choline Chloride, Soy Lecithin, Monoglycerides, Ascorbic Acid, Carrageenan, Calcium Carbonate, m-Inositol, Taurine, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, Manganese Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Potassium Iodide, Potassium Hydroxide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8151-02)

**Contains milk and soy ingredients.**

HCPCS Code B4160  
[www.Ross.com](http://www.Ross.com)  
[www.PediaSure.com](http://www.PediaSure.com)

# PediaSure® Enteral Formula With Fiber and FOS

Complete, Balanced Nutrition®



## Usage

PEDISAURE ENTERAL FORMULA WITH FIBER AND FOS is a source of Complete, Balanced Nutrition® especially designed for tube feeding children 1 to 13 years of age.

- For tube feeding
- May be used as the sole source of nutrition or as a supplement.
- Not intended for infants under 1 year of age unless specified by a physician
- Not for children with galactosemia
- Not for parenteral use

## Features

- Milk-based, complete, balanced nutrition
- 1.0 Cal per mL, 237 Cal per 8 fl oz, from a balanced distribution of protein, fat, and carbohydrate
- Lactose- and gluten-free
- Mild vanilla flavor
- Meets or exceeds 100% of the Dietary Reference Intakes (DRIs) for protein, vitamins, and minerals for children 1 to 8 years of age in 1000 mL, and for children 9 to 13 years of age in 1500 mL.
- Contains a patented blend of soluble and insoluble fibers and fructooligosaccharides (NutraFlora® FOS) at a level that is well tolerated by children. (See page 113 for more about FOS.)

## Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Vanilla	51806	70074-0518-07
<b>— Ross Ready-To-Hang® 500-mL prefilled containers; 8/case</b>		
Vanilla	59785	70074-0597-86 (Pending)

Technical Nutrition Data		Nutrition Information					Nutrition Information				
		8	500	1000	1500	8	500	1000	1500		
		fl oz	mL	mL	mL	fl oz	mL	mL	mL		
		(237 mL)				(237 mL)					
Nutrient Density (Cal/mL)	1.0	Calories	237	500	1000	1500	Potassium, mg	310	650	1310	1965
Protein (% Cal)	12	Protein, g	7	15	30	44	Potassium, mEq	7.9	16.7	33.5	50.3
Carbohydrate (% Cal)	53	Total Carbohydrate, g	33	69	138	207	Chloride, mg	240	500	1014	1522
Fat (% Cal)	35	Dietary Fiber, g	1.2	2.5	5.0	7.5	Chloride, mEq	6.8	14.1	28.7	43.0
Cal/mL to meet 100% DRIs for Children ages 1-8 years	1000	FOS, g	0.7	1.5	3.0	4.5	Calcium, mg	230	480	972	1458
Cal/mL to meet 100% DRIs for Children ages 9-13 years	1500	Total Fat, g	9	20	38	57	Phosphorus, mg	200	420	845	1268
Kosher	Yes	Water, g/mL/cc	201	420	845	1268	Magnesium, mg	47	99	199	298
Gluten-Free	Yes	Vitamin A, IU	380	800	1606	2409	Iodine, mcg	23	49	97	146
Lactose-Free	Yes	Vitamin D, IU	120	250	507	761	Manganese, mg	0.36	0.7	1.5	2.3
Osmolality, mOsm/kg H <sub>2</sub> O	345	Vitamin E, IU	5.4	11	23	34	Copper, mg	0.24	0.5	1.0	1.5
Potential Renal Solute Load, mOsm/L	275	Vitamin K, mcg	14	30	59	89	Zinc, mg	1.4	3	6	9
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Vitamin C, mg	24	51	101	152	Iron, mg	3.3	7	14	21
		Folic Acid, mcg	71	150	300	450	Selenium, mcg	7.6	16	32	48
		Thiamin (Vit B <sub>1</sub> ), mg	0.64	1.4	2.7	4.0	Chromium, mcg	7.1	15	30	45
		Riboflavin (Vit B <sub>2</sub> ), mg	0.50	1.1	2.1	3.2	Molybdenum, mcg	8.5	18	36	54
		Vitamin B <sub>6</sub> , mg	0.62	1.3	2.6	3.9	L-Carnitine, mg	4	8	17	25
		Vitamin B <sub>12</sub> , mcg	1.4	3	6	9	Taurine, mg	17	36	72	108
		Niacin, mg	2.4	5	10	15					
		Choline, mg	71	150	300	450					
		Biotin, mcg	45	95	190	285					
		Pantothenic Acid, mg	2.4	5	10	15					
		Inositol, mg	19	40	80	120					
		Sodium, mg	90	190	380	571					
		Sodium, mEq	3.9	8.3	16.5	24.8					

**PEDIASURE ENTERAL FORMULA WITH FIBER AND FOS**

**Ingredients**  
 ①-D Water, Corn Maltodextrin, Milk Protein Concentrate, Sugar (Sucrose), High Oleic Safflower Oil, Soy Oil, Medium Chain Triglycerides; **Less than 0.5% of:** Fructooligosaccharides, Natural and Artificial Flavor, Oat Fiber, Dextrose, Soy Fiber, Potassium Citrate, Magnesium Phosphate, Gum Arabic, Salt (Sodium Chloride), Potassium Chloride, Calcium Phosphate, Potassium Phosphate, Cellulose Gum, Choline Chloride, Soy Lecithin, Mono- and Diglycerides, Ascorbic Acid, Carrageenan, m-Inositol, Taurine, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, Manganese Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin.  
 (FAN 7959-01)

**Contains milk and soy ingredients.**

**HCPCS Code B4160**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross/Reimbursement.com](http://www.Ross/Reimbursement.com)  
[www.PediaSure.com](http://www.PediaSure.com)

# Perative®

Specialized Nutrition With Partially Hydrolyzed Proteins and FOS for Metabolic Stress



## Usage

PERATIVE is a complete, balanced, ready-to-feed formula designed for metabolically stressed patients with pressure ulcers, multiple fractures, wounds, burns, or surgery who can benefit from supplemental arginine.

- For tube feeding
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- Calorically dense (1.3 Cal/mL) and high in protein (20.5% of Cal) for the elevated energy and protein needs of metabolically stressed patients

- Partially hydrolyzed, peptide-based protein for easier absorption. Well tolerated as a tube feeding<sup>1-2</sup>
- Includes 1.6 g of NutraFlora® FOS/8 fl oz (6.5 g/L and 9.8 g/1500 mL). FOS are prebiotic soluble fiber that stimulate the growth of beneficial bacteria in the colon. (See page 113 for more about FOS.)
- Contains added arginine (8 g/L total arginine at 2.5% of total calories) for wound healing and the immune support
- Meets or exceeds 100% of the RDI for 24 essential vitamins and minerals in 1500 Cal (1155 mL)
- Kosher
- Lactose- and gluten-free
- Low-residue

## Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Unflavored . . . . .	50628 . . . . .	70074-0506-29
<b>— Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case</b>		
Unflavored . . . . .	51948 . . . . .	70074-0519-49
<b>— 1500-mL prefilled containers; 6/case</b>		
Unflavored . . . . .	57635 . . . . .	70074-0576-36



Technical Nutrition Data		Nutrition Information			Nutrition Information				
		8 fl oz	1000 mL	1500 mL	8 fl oz	1000 mL	1500 mL		
Nutrient Density (Cal/mL)	1.3				Potassium, mg	410	1735	2600	
Protein (% Cal)	20.5	Calories	308	1300	1950	Potassium, mEq	10.5	44.4	66.5
Carbohydrate (% Cal)	54.5	Protein, g	15.8	66.7	100.0	Chloride, mg	390	1650	2470
Fat (% Cal)	25.0	Total Carbohydrate, g	42.8	180.3	270.4	Chloride, mEq	11.0	46.5	69.7
MCT:LCT	40:60	Dietary Fiber, g	1.6	6.5	9.8	Calcium, mg	210	870	1305
Cal to meet 100% RDIs	1500	FOS, g	1.6	6.5	9.8	Phosphorus, mg	210	870	1305
mL to meet 100% RDIs	1155	Total Fat, g	8.8	37.3	56.0	Magnesium, mg	83	350	525
Kosher	Yes	Water, g/mL/cc	187	790	1185	Iodine, mcg	31	135	200
Gluten-Free	Yes	Vitamin A, IU	2055	8675	13,005	Manganese, mg	1.1	4.4	6.5
Lactose-Free	Yes	Beta-Carotene, mg	1.0	4.2	6.3	Copper, mg	0.42	1.8	2.6
Low-Residue	Yes	Vitamin D, IU	83	350	525	Zinc, mg	4.7	20	30
Total Cal/g Nitrogen	122:1	Vitamin E, IU	9.3	40	60	Iron, mg	3.7	16	24
Nonprotein Cal/g Nitrogen	97:1	Vitamin K, mcg	17	70	105	Selenium, mcg	15	61	92
Osmolality, mOsm/kg H <sub>2</sub> O	460	Vitamin C, mg	62	260	395	Chromium, mcg	25	105	160
Renal Solute Load, mOsm/L	516	Folic Acid, mcg	125	520	785	Molybdenum, mcg	31	135	200
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Thiamin (Vit B <sub>1</sub> ), mg	0.47	2.0	3.0	L-Carnitine, mg	31	135	200
		Riboflavin (Vit B <sub>2</sub> ), mg	0.53	2.3	3.4	Taurine, mg	31	135	200
		Vitamin B <sub>6</sub> , mg	0.62	2.6	3.9				
		Vitamin B <sub>12</sub> , mcg	1.9	7.9	12				
		Niacin, mg	6.2	27	40				
		Choline, mg	125	520	785				
		Biotin, mcg	93	395	590				
		Pantothenic Acid, mg	3.1	14	20				
		Sodium, mg	245	1040	1560				
		Sodium, mEq	10.7	45.2	67.9				

## PERATIVE Ingredients

①-D Water, Corn Maltodextrin, Partially Hydrolyzed Sodium Caseinate, Whey Protein Hydrolysate, Canola Oil, Medium Chain Triglycerides, Fructooligosaccharides, L-Arginine, Corn Oil, Magnesium Chloride, Potassium Citrate, Calcium Phosphate, Citric Acid, Soy Lecithin, Ascorbic Acid, Potassium Phosphate, Choline Chloride, Carrageenan, Potassium Chloride, Taurine, L-Carnitine, Zinc Sulfate, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Beta-Carotene, Riboflavin, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 7959-03)

**Contains milk and soy ingredients.**

**HCPSC Code B4153**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

<sup>1</sup> Brown RO et al: *Pharmacotherapy* 1994;14:314-320.

<sup>2</sup> Henningfield MF et al: *FASEB J* 1993;7(3):A377.

# Pivot® 1.5 Cal

Specialized, Very-High-Protein Nutrition With Arginine, FOS, and Structured Lipids for Metabolic Stress




## Usage

PIVOT 1.5 CAL is a very-high-protein, calorically dense, immune-enhancing enteral formula containing a peptide-based protein system, added arginine, structured lipids, fructooligosaccharides (FOS), and elevated levels of antioxidants for use in the metabolically stressed, immunosuppressed patient.

- For tube feeding
- For sole-source nutrition
- Not for parenteral use

## Features

- 1.5 Cal/mL—concentrated calories for fluid-restricted patients
- Very-high-protein—93.8 g/L (25% of calories)—supports protein synthesis, tissue repair, and wound healing

- *Immune support*
  - Arginine—13 g/L (3.5% of calories)—supports proliferation and function of immune cells
  - Glutamine (inherent)—6.5 g/L—for GI-tract integrity and energy for immune cells
  - Omega-3 fatty acids (EPA, 2.6 g/L; DHA, 1.3 g/L) to help modulate inflammation and support immune function<sup>1</sup>
- *Elevated levels of antioxidants*—vitamin C, vitamin E, and beta-carotene—to help prevent free radical damage
- *Meets or exceeds* 100% of the RDI for 24 essential vitamins and minerals in 1500 Cal (1000 mL)
- *Tolerance*
  -  , a unique blend of optimized macronutrients—protein, fat, and carbohydrate—to promote absorption and tolerance
    - Peptide-based protein system
    - Structured lipids<sup>1-3</sup>
    - NutraFlora® FOS (See page 113 for more about FOS.)

## Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Unflavored . . . . .	58013 . . . . .	70074-0580-14
<b>— Ross Ready-To-Hang® 1000-mL prefilled containers; 8/case</b>		
Unflavored . . . . .	58015 . . . . .	70074-0580-16

Technical Nutrition Data		Nutrition Information		Nutrition Information			
		8 fl oz	1000 mL	8 fl oz	1000 mL		
Nutrient Density (Cal/mL)	1.5	Calories	355	1500	Potassium, mg	475	2000
Protein (% Cal)	25.0	Protein, g	22.2	93.8	Potassium, mEq	12.1	51.2
Carbohydrate (% Cal)	45.0	Total Carbohydrate, g	40.9	172.4	Chloride, mg	380	1600
Fat (% Cal)	30.0	Dietary Fiber, g	1.8	7.5	Chloride, mEq	10.7	45.1
MCT:LCT	20:80	FOS, g	1.8	7.5	Calcium, mg	240	1000
Cal to meet 100% RDIs	1500	Total Fat, g	12.0	50.8	Phosphorus, mg	240	1000
mL to meet 100% RDIs	1000	Water, g/mL/cc	180	759	Magnesium, mg	95	400
Kosher	No	Vitamin A, IU	2370	10,000	Iodine, mcg	36	150
Gluten-Free	Yes	Beta-Carotene, mg	1.2	5.0	Manganese, mg	1.2	5.0
Lactose-free	Yes	Vitamin D, IU	95	400	Copper, mg	0.48	2.0
Low-Residue	Yes	Vitamin E, IU	60	250	Zinc, mg	6.0	25
Total Cal/g Nitrogen	100:1	Vitamin K, mcg	19	80	Iron, mg	4.3	18
Nonprotein Cal/g Nitrogen	75:1	Vitamin C, mg	72	300	Selenium, mcg	17	70
Osmolality, mOsm/kg H <sub>2</sub> O	595	Folic Acid, mcg	145	600	Chromium, mcg	29	120
Renal Solute Load, mOsm/L	692	Thiamin (Vit B <sub>1</sub> ), mg	0.54	2.3	Molybdenum, mcg	36	150
Minimum Tube Size for Pump Feeding, Fr (Gravity feeding is not recommended.)	8	Riboflavin (Vit B <sub>2</sub> ), mg	0.61	2.6	L-Carnitine, mg	36	150
		Vitamin B <sub>6</sub> , mg	0.71	3.0	Taurine, mg	36	150
		Vitamin B <sub>12</sub> , mcg	2.2	9.0			
		Niacin, mg	7.1	30			
		Choline, mg	145	600			
		Biotin, mcg	110	450			
		Pantothenic Acid, mg	3.6	15			
		Sodium, mg	330	1400			
		Sodium, mEq	14.4	60.9			

### PIVOT 1.5 CAL Ingredients

Water, Corn Syrup Solids, Partially Hydrolyzed Sodium Caseinate, Whey Protein Hydrolysate, Structured Lipid (Interesterified Sardine Oil and Medium Chain Triglycerides), Soy Oil, Canola Oil, L-Arginine, Fructooligosaccharides, Potassium Citrate, Citric Acid, Calcium Phosphate, Magnesium Chloride, Soy Lecithin, Natural and Artificial Flavor, Cellulose Gel, Ascorbic Acid, Choline Chloride, Magnesium Phosphate, Potassium Chloride, Carrageenan, Taurine, d-Alpha-Tocopheryl Acetate, L-Carnitine, Cellulose Gum, Zinc Sulfate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Beta-Carotene, Riboflavin, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin and Vitamin D<sub>3</sub>. (FAN 7959-01)

**Contains milk and soy ingredients.**

**HCPCS Code B4154**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

<sup>1</sup> Kenler AS et al: *Ann Surg* 1996;223(3):316-333.  
<sup>2</sup> Tso P et al: *J Nutr* 2001;131:2157-2163.  
<sup>3</sup> Tso P et al: *Am J Physiol* 1999;277(Gastrointest Liver Physiol 40): G333-G340.

# Polydose®

Glucose Polymer Module



## Usage

POLYDOSE is an easily digested source of carbohydrate calories for use when additional calories are required. It is particularly useful in supplying carbohydrate calories for protein-, electrolyte-, or fat-restricted diets.

- For oral or tube feeding
- POLYDOSE is not a balanced diet and is not for use as a sole source of nutrition
- Do not feed undiluted POLYDOSE liquid or concentrated solutions of POLYDOSE powder. Use only as specifically directed by a physician
- Not for parenteral use

## Features

- Rapid absorption (peak glucose response in 30 minutes)
- Longer glucose polymers reduce osmolality and minimize potential for osmotic diarrhea
- Low renal solute load—247 mOsm/L
- Mixes readily with most foods and beverages
- Minimal sweetness to enhance patient acceptance
- Kosher
- Lactose- and gluten-free

## Availability

Flavor	List No.	NDC Format Code
— Liquid (43% solution) 4.2-fl-oz (124-mL) bottles, 48/case		
Unflavored . . . . .	00431 . . . . .	70074-0804-31
— Powder 12.3-oz (350-g) cans, 6/case		
Unflavored . . . . .	00746 . . . . .	70074-0607-46

### Technical Nutrition Data

	Powder	Liquid
Nutrient Density	(Cal/g)	(Cal/mL)
	3.8	2.0
Carbohydrate (% Cal)	100.0	100.0
Kosher	Yes	Yes
Gluten-Free	Yes	Yes
Lactose-Free	Yes	Yes
Low-Residue	Yes	Yes
Osmolality, mOsm/kg H <sub>2</sub> O	NA	900
Renal Solute Load, mOsm/L	247	71

**Instructions for Use:** POLYCOSE may be added to most tube-feeding formulas and most foods and beverages, or mixed in water, in amounts determined by taste, caloric requirement, and tolerance.

### Nutrition Information

	Powder 100 g	Liquid 100 mL		
Calories	380	200	<b>Powder</b>	<b>Calories</b>
Total Carbohydrate, g	94	50	1 level teaspoon (2 g)	8
Water, g	6	70	1 level tablespoon (6 g)	23
Sodium, mg*	130	83	¼ cup (25 g)	95
Sodium, mEq*	5.7	3.6	½ cup (33 g)	125
Potassium, mg*	10	6	½ cup (50 g)	190
Potassium, mEq*	0.3	0.15	1 cup (100 g)	380
Chloride, mg*	223	140		
Chloride, mEq*	6.3	3.9	<b>Liquid</b>	
Calcium, mg	30	20	1 mL	2
Calcium, mEq	1.5	1.0	1 fl oz	60
Phosphorus, mg*	15	4	100 mL	200

\* Does not exceed.

### POLYCOSE Ingredients

(Powder & Liquid): (Pareve), ① Water and Glucose Polymers derived from controlled hydrolysis of cornstarch. (FAN 8037-02)

HCPCS Code B4155  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Promote®

Very-High-Protein Nutrition



## Usage

PROMOTE is a complete, balanced, very-high-protein liquid formula for patients who need a higher proportion of calories from protein. It is ideal for patients with low caloric needs and those at risk for protein-energy malnutrition or pressure ulcers.

- For tube or oral feeding
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- Very high in protein (25% of Cal, 14.8 g/8 fl oz). Protein is needed for lean body tissue maintenance and repair
- Meets or exceeds 100% of the RDI for 24 essential vitamins and minerals in 1000 Cal (1 Liter)
- Fat blend contains safflower, MCT, and soy oils and soy lecithin. Patients who absorb lipids improperly may benefit from consuming a formula that contains MCT oil as part of the fat source
- 1 Cal/mL
- Kosher
- Lactose- and gluten-free
- Low-residue

## Availability

Flavor	List No.	NDC Format Code
— 8-fl-oz cans; 24/case		
Vanilla	50774	70074-0507-75
— Ross Ready-To-Hang® 1000-mL Prefilled Container; 8/case		
Unflavored	51616	70074-0516-17
— 1500-mL Prefilled Container; 6/case		
Unflavored	57631	70074-0576-32

Technical Nutrition Data		Nutrition Information (Vanilla)			Nutrition Information				
		8 fl oz	1000 mL	1500 mL		8 fl oz	1000 mL	1500 mL	
Nutrient Density (Cal/mL)	1.0				Chloride, mg	300	1260	1890	
Protein (% Cal)	25.0	Calories	237	1000	1500	Chloride, mEq	8.5	35.6	53.4
Carbohydrate (% Cal)	52.0	Protein, g	14.8	62.5	93.8	Calcium, mg	285	1200	1800
Fat (% Cal)	23.0	Total Carbohydrate, g	30.8	130.0	195.0	Phosphorus, mg	285	1200	1800
MCT:LCT	19:81	Total Fat, g	6.2	26.0	39.0	Magnesium, mg	95	400	600
Cal to meet 100% RDIs	1000	Water, g/mL/cc	198	839	1259	Iodine, mcg	36	150	225
mL to meet 100% RDIs	1000	Vitamin A, IU	1720	7250	10,875	Manganese, mg	1.2	5.0	7.5
Kosher	Yes	Beta-Carotene, mg	0.40	1.7	2.6	Copper, mg	0.48	2.0	3.0
Gluten-Free	Yes	Vitamin D, IU	95	400	600	Zinc, mg	5.7	24	36
Lactose-Free	Yes	Vitamin E, IU	11	45	68	Iron, mg	4.3	18	27
Low-Residue	Yes	Vitamin K, mcg	19	80	120	Selenium, mcg	17	70	105
Total Cal/g Nitrogen	100:1	Vitamin C, mg	82	345	515	Chromium, mcg	29	120	180
Nonprotein Cal/g Nitrogen	75:1	Folic Acid, mcg	145	600	900	Molybdenum, mcg	36	150	225
Osmolality, mOsm/kg H <sub>2</sub> O	340	Thiamin (Vit B <sub>1</sub> ), mg	0.54	2.3	3.5	L-Carnitine, mg	36	150	225
Renal Solute Load, mOsm/L	486	Riboflavin (Vit B <sub>2</sub> ), mg	0.61	2.6	3.9	Taurine, mg	36	150	225
Viscosity		Vitamin B <sub>6</sub> , mg	0.72	3.0	4.5				
Thin (Room Temperature)		Vitamin B <sub>12</sub> , mcg	2.2	9.0	14				
Thin (Chilled)		Niacin, mg	7.2	30	45				
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Choline, mg	145	600	900				
		Biotin, mcg	110	450	675				
		Pantothenic Acid, mg	3.6	15	23				
		Sodium, mg	240	1000	1500				
		Sodium, mEq	10.4	43.5	65.2				
		Potassium, mg	470	1980	2970				
		Potassium, mEq	12.0	50.8	76.1				

## PROMOTE Ingredients

**(Vanilla):** Ⓢ-D Water, Corn Maltodextrin, Sodium and Calcium Caseinates, Sugar (Sucrose), Safflower Oil, Canola Oil, Medium Chain Triglycerides, Soy Protein Isolate, Magnesium Phosphate, Natural and Artificial Flavors, Sodium Citrate, Potassium Chloride, Calcium Citrate, Potassium Citrate, Soy Lecithin, Ascorbic Acid, Choline Chloride, Calcium Carbonate, Potassium Phosphate, Calcium Phosphate, Carrageenan, Taurine, L-Carnitine, Zinc Sulfate, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Beta-Carotene, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 7959-03)

**Contains milk and soy ingredients.**

**HCPCS Code B4150**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Promote<sup>®</sup> With Fiber

Very-High-Protein Nutrition  
With Fiber



## Usage

PROMOTE WITH FIBER is a complete, balanced, very-high-protein, and fiber-fortified liquid formula for patients who need a higher proportion of calories from protein. It is ideal for patients with low caloric and/or wound healing needs and those at risk for protein-energy malnutrition or pressure ulcers.

- For tube or oral feeding
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- Very high in protein (25% of Cal, 14.8 g/8 fl oz) from

sodium and calcium caseinates and soy protein isolate. Protein is needed for lean body mass maintenance and repair

- Contains a fiber blend of 85% oat fiber and 15% soy fiber to provide a product low in viscosity and high in dietary fiber (14.4 g/L). Fiber helps moderate bowel function
- Meets or exceeds 100% of the RDI for 24 essential vitamins and minerals in 1000 Cal (1 Liter)
- Fat blend contains safflower, MCT, and soy oils and soy lecithin. Patients who absorb lipids improperly may benefit from consuming a formula that contains MCT oil as part of the fat source
- 1 Cal/mL
- Kosher
- Lactose- and gluten-free

## Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Vanilla . . . . .	51872 . . . . .	70074-0518-73
<b>— Ross Ready-To-Hang<sup>®</sup> 1000-mL prefilled containers; 8/case</b>		
Unflavored . . . . .	51874 . . . . .	70074-0518-75
<b>— 1500-mL prefilled containers; 6/case</b>		
Unflavored . . . . .	57633 . . . . .	70074-0576-34



Technical Nutrition Data		Nutrition Information (Vanilla)			Nutrition Information				
		8 fl oz	1000 mL	1500 mL		8 fl oz	1000 mL	1500 mL	
Nutrient Density (Cal/mL)	1.0				Chloride, mg	300	1260	1890	
Protein (% Cal)	25.0	Calories	237	1000	1500	Chloride, mEq	8.5	35.6	53.4
Carbohydrate (% Cal)	50.0	Protein, g	14.8	62.5	93.8	Calcium, mg	285	1200	1800
Fat (% Cal)	25.0	Total Carbohydrate, g	32.8	138.3	207.2	Phosphorus, mg	285	1200	1800
MCT:LCT	19:81	Dietary Fiber, g	3.4	14.4	21.6	Magnesium, mg	95	400	600
Cal to meet 100% RDIs	1000	Total Fat, g	6.7	28.2	42.4	Iodine, mcg	36	150	225
mL to meet 100% RDIs	1000	Water, g/mL/cc	197	831	1247	Manganese, mg	1.2	5.0	7.5
Kosher	Yes	Vitamin A, IU	1720	7250	10,875	Copper, mg	0.48	2.0	3.0
Gluten-Free	Yes	Beta-Carotene, mg	0.40	1.7	2.6	Zinc, mg	5.7	24	36
Lactose-Free	Yes	Vitamin D, IU	95	400	600	Iron, mg	4.3	18	27
Low-Residue	No	Vitamin E, IU	11	45	68	Selenium, mcg	17	70	105
Total Cal/g Nitrogen	100:1	Vitamin K, mcg	19	80	120	Chromium, mcg	29	120	180
Nonprotein Cal/g Nitrogen	75:1	Vitamin C, mg	81	340	510	Molybdenum, mcg	36	150	225
Osmolality, mOsm/kg H <sub>2</sub> O	380	Folic Acid, mcg	145	600	900	L-Carnitine, mg	36	150	225
Renal Solute Load, mOsm/L	499	Thiamin (Vit B <sub>1</sub> ), mg	0.54	2.3	3.5	Taurine, mg	36	150	225
Viscosity		Riboflavin (Vit B <sub>2</sub> ), mg	0.61	2.6	3.9				
Nectar-like (Room Temperature)		Vitamin B <sub>6</sub> , mg	0.72	3.0	4.5				
Nectar-like (Chilled)		Vitamin B <sub>12</sub> , mcg	2.2	9.0	14				
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Niacin, mg	7.2	30	45				
		Choline, mg	145	600	900				
		Biotin, mcg	110	450	675				
		Pantothenic Acid, mg	3.6	15	23				
		Sodium, mg	310	1300	1950				
		Sodium, mEq	13.5	56.5	84.8				
		Potassium, mg	500	2100	3150				
		Potassium, mEq	12.8	53.8	80.8				

## PROMOTE WITH FIBER Ingredients

**(Vanilla):** Ⓢ-D Water, Corn Maltodextrin, Sodium and Calcium Caseinates, Soy Protein Isolate, Sugar (Sucrose), Soy Oil, Oat Fiber, Medium Chain Triglycerides, Safflower Oil, Natural and Artificial Flavors, Calcium Phosphate, Soy Fiber, Magnesium Phosphate, Potassium Citrate, Sodium Citrate, Potassium Chloride, Soy Lecithin, Ascorbic Acid, Choline Chloride, Taurine, L-Carnitine, Gellan Gum, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Beta-Carotene, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 8093-04)

**Contains milk and soy ingredients.**

**HCPCS Code B4150**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# ProSure® Shake

Therapeutic Nutrition™



## Usage

PROSURE SHAKE is therapeutic nutrition with EPA and protein that, when used as part of overall care, has been clinically shown to help build muscle and promote weight gain in patients with cancer, so strength and physical activity can improve.<sup>1-3</sup>

Results in some patients may be seen in as few as 3 weeks with as little as 2 cans daily.<sup>4</sup>

- For use with oral diets or tube feedings
- Not for use as a sole source of nutrition
- 2 cans per day are recommended
- Not for parenteral use

## Features

- 1 g of EPA (eicosapentaenoic acid) to help normalize metabolism for patients with cancer
- 17 g of protein to help build lean body mass
- 300 Cal to provide energy in a small volume
- 3 g of dietary fiber from NutraFlora® FOS. FOS are prebiotics that stimulate the growth of beneficial bacteria in the colon. (See page 113 for more about FOS.)
- 22 Vitamins and minerals
- Lactose- and gluten-free

**Availability** (See page 134 for retail list numbers.)

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— 8-fl-oz cans; 4/carton; 24/case

Vanilla .....57024..... 70074-0572-26

Banana .....55780..... 70074-0557-81

Technical Nutrition Data		Nutrition Information (Vanilla)		Nutrition Information	
		8 fl oz		8 fl oz	
Cal/mL	1.27	Calories	300	Chloride, mg	360
Protein (% Cal)	22.7	Protein, g	17.0	Chloride, mEq	10.2
Carbohydrate (% Cal)	56.6	Total Carbohydrate, g	44.0	Calcium, mg	350
Fat (% Cal)	20.7	Dietary Fiber, g	3.0	Phosphorus, mg	250
Fat, g	7.0	FOS, g	3.0	Magnesium, mg	100
MCT:LCT	21:79	Total Fat, g	7.0	Iodine, mcg	38
Kosher	No	Water, g/mL/cc	188	Manganese, mg	1.3
Gluten-Free	Yes	Vitamin A, IU	2530	Copper, mg	0
Lactose-Free	Yes	Vitamin D, IU	160	Zinc, mg	6.0
Low-Residue	Yes	Vitamin E, IU	15	Iron, mg	<0.3
Total Cal/g Nitrogen	110:1	Vitamin K, mcg	20	Selenium, mcg	18
Nonprotein Cal/g Nitrogen	85:1	Vitamin C, mg	30	Chromium, mcg	30
Osmolality, mOsm/kg H <sub>2</sub> O	600	Folic Acid, mcg	160	Molybdenum, mcg	38
Renal Solute Load, mOsm/L	545	Thiamin (Vit B <sub>1</sub> ), mg	0.60	L-Carnitine, mg	30
Viscosity		Riboflavin (Vit B <sub>2</sub> ), mg	0.68	Taurine, mg	45
Thin (Room Temperature)		Vitamin B <sub>6</sub> , mg	0.80		
Thin (Chilled)		Vitamin B <sub>12</sub> , mcg	2.4		
		Niacin, mg	8		
		Choline, mg	120		
		Biotin, mcg	120		
		Pantothenic Acid, mg	4.0		
		Sodium, mg	360		
		Sodium, mEq	15.7		
		Potassium, mg	440		
		Potassium, mEq	11.3		

## PROSURE SHAKE Ingredients

**(Vanilla):** Water, Corn Maltodextrin, Sodium and Calcium Caseinates, Milk Protein Isolate, Sugar (Sucrose), Corn Syrup, Sardine Oil, Fructooligosaccharides, Medium Chain Triglycerides, Natural and Artificial Flavors, Sodium Citrate, Potassium Citrate, Canola Oil, Magnesium Chloride, Calcium Phosphate, Soy Oil, Soy Lecithin, Magnesium Phosphate, Choline Chloride, Ascorbic Acid, Taurine, Potassium Chloride, L-Carnitine, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, Ascorbyl Palmitate, Carrageenan, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Mixed Tocopherols, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Sodium Selenate, Potassium Iodide, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 8131-02)

**Contains milk and soy ingredients.**

**HCPCS Code B4154**  
**www.Ross.com**  
**www.Ross.com/Reimbursement**

# Pulmocare®

Therapeutic Nutrition for People  
With COPD



## Usage

PULMOCARE is a high-calorie, low-carbohydrate formula designed to help reduce carbon dioxide production, which may be helpful for patients with chronic obstructive pulmonary disease (COPD), cystic fibrosis, or respiratory failure. PULMOCARE is appropriate for ambulatory or ventilator-dependent patients.

- For tube or oral feeding
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- Provides complete and balanced nutrition
- Contains 20% of fat as MCT to enhance fat absorption
- Meets or exceeds 100% of the RDI for 24 essential vitamins and minerals in 1420 Cal (947 mL) (four 8-fl-oz cans)
- Fortified with the antioxidants all-natural vitamin E, beta-carotene, and vitamin C
- Kosher
- Lactose- and gluten-free
- Low-residue

## Availability

<u>Flavor</u>	<u>List No.</u>	<u>NDC Format Code</u>
<b>— 8-fl-oz cans; 24/case</b>		
Vanilla . . . . .	00699 . . . . .	70074-0406-99
Strawberry . . . . .	50180 . . . . .	70074-0501-81
<b>— Ross Ready-To-Hang® 1000-mL pre-filled containers; 8/case</b>		
Vanilla . . . . .	51204 . . . . .	70074-0512-05

Technical Nutrition Data		Nutrition Information (Vanilla)		Nutrition Information	
		8 fl oz	1000 mL		
Nutrient Density (Cal/mL)	1.5				
Protein (% Cal)	16.7	355	1500	Chloride, mg	400 1690
Carbohydrate (% Cal)	28.2	Protein, g	14.8 62.6	Chloride, mEq	11.3 47.7
Fat (% Cal)	55.1	Total Carbohydrate, g	25.0 105.7	Calcium, mg	250 1060
MCT:LCT	20:80	Total Fat, g	22.1 93.3	Phosphorus, mg	250 1060
Cal to meet 100% RDIs	1420	Water, g/mL/cc	186 785	Magnesium, mg	100 425
mL to meet 100% RDIs	947	Vitamin A, IU	2840 11,910	Iodine, mcg	38 160
Kosher	Yes	Beta-Carotene, mg	1.2 5.0	Manganese, mg	1.3 5.3
Gluten-Free	Yes	Vitamin D, IU	100 425	Copper, mg	0.50 2.2
Lactose-Free	Yes	Vitamin E, IU	20 85	Zinc, mg	5.7 24
Low-Residue	Yes	Vitamin K, mcg	20 85	Iron, mg	4.5 19
Total Cal/g Nitrogen	150:1	Vitamin C, mg	75 320	Selenium, mcg	18 74
Nonprotein Cal/g Nitrogen	125:1	Folic Acid, mcg	200 845	Chromium, mcg	30 130
Osmolality, mOsm/kg H <sub>2</sub> O	475	Thiamin (Vit B <sub>1</sub> ), mg	0.75 3.2	Molybdenum, mcg	38 160
Renal Solute Load, mOsm/L	512	Riboflavin (Vit B <sub>2</sub> ), mg	0.85 3.6	L-Carnitine, mg	36 160
Viscosity		Vitamin B <sub>6</sub> , mg	1.0 4.3	Taurine, mg	36 160
Thin (Room Temperature)		Vitamin B <sub>12</sub> , mcg	3.0 13		
Nectar-Like (Chilled)		Niacin, mg	10 43		
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Choline, mg	150 635		
		Biotin, mcg	150 635		
		Pantothenic Acid, mg	5.0 22		
		Sodium, mg	310 1310		
		Sodium, mEq	13.5 57.0		
		Potassium, mg	465 1960		
		Potassium, mEq	11.9 50.1		

### PULMOCARE Ingredients

**(Vanilla):** Ⓢ-D Water, Sodium and Calcium Caseinates, Sugar (Sucrose), Canola Oil, Corn Maltodextrin, Medium Chain Triglycerides, Corn Oil, High Oleic Safflower Oil, Magnesium Chloride, Calcium Phosphate, Soy Lecithin, Potassium Citrate, Natural and Artificial Flavors, Sodium Citrate, Potassium Phosphate, Ascorbic Acid, Choline Chloride, Taurine, L-Carnitine, Gellan Gum, Salt (Sodium Chloride), Zinc Sulfate, d-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Beta-Carotene, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>. (FAN 8073-01)

Contains milk and soy ingredients.

HCPCS Code B4154  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Suplena<sup>®</sup> with Carb Steady<sup>™</sup>

Therapeutic Nutrition for People With  
Reduced Kidney Function



## Usage

SUPLINA with Carb Steady is low-protein, therapeutic nutrition designed specifically for patients with reduced kidney function.

- New “Carb Steady” carbohydrate blend contains ingredients clinically shown to help manage blood-glucose response<sup>1-5</sup>
- Specifically formulated for patients with reduced kidney function
- For tube or oral feeding
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- Therapeutic nutrition that can help patients with reduced kidney function maintain their nutritional status, while adhering to their diets
- Low in protein (10% of total calories)
- Low in phosphorus and sodium
- High in vitamin B<sub>6</sub> and folic acid
- Calorically dense—1.8 Cal/mL
- Contains NutraFlora<sup>®</sup> FOS to help promote GI-tract health (See page 113 for more about FOS.)
- 100% natural vitamin E

## Availability

Flavor	List No.	NDC Format Code
— 8-fl-oz cans; 24/case		(Pending)
Homemade Vanilla . . . . .	59664 . . . . .	70074-0596-65

Technical Nutrition Data		Nutrition Information					
		8 fl oz	1000 mL	8 fl oz	1000 mL		
Nutrient Density (Cal/mL)	1.8	Calories	425	1800	Potassium, mg	265	1120
Protein (% Cal)	10.0	Protein, g	10.6	44.7	Potassium, mEq	6.8	28.6
Carbohydrate (% Cal)	42.0	Total Carbohydrate, g	47.8	201.7	Chloride, mg	220	935
Fat (% Cal)	48.0	Dietary Fiber, g	3.7	15.6	Chloride, mEq	6.2	26.3
Cal to meet 100% RDIs	1700	FOS, g	2.2	9.5	Calcium, mg	250	1060
mL to meet 100% RDIs	948	Sugars, g	7.2	30.3	Phosphorus, mg	165	700
Kosher	Yes	Sugar Alcohols, g	3.5	14.8	Magnesium, mg	50	210
Gluten-Free	Yes	Total Fat, g	22.7	96.0	Iodine, mcg	38	160
Lactose-Free	Yes	Water, g/mL/cc	174	734	Manganese, mg	0.5	2.1
Low-Residue	No	Vitamin A, IU	750	3180	Copper, mg	0.5	2.1
Total Cal/g Nitrogen	251:1	Vitamin D, IU	20	85	Zinc, mg	6.4	26
Nonprotein Cal/g Nitrogen	226:1	Vitamin E, IU	23	95	Iron, mg	4.5	19
Osmolality, mOsm/kg H <sub>2</sub> O	600	Vitamin K, mcg	20	85	Selenium, mcg	18	74
Renal Solute Load, mOsm/L	344	Vitamin C, mg	25	105	Chromium, mcg	30	125
Viscosity		Folic Acid, mcg	250	1060	Molybdenum, mcg	19	79
Nectar-like (Room Temperature)		Thiamin (Vit B <sub>1</sub> ), mg	0.6	2.6	L-Carnitine, mg	63	265
Nectar-like (Chilled)		Riboflavin (Vit B <sub>2</sub> ), mg	0.6	2.6	Taurine, mg	38	160
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8	Vitamin B <sub>6</sub> , mg	2.0	8.5			
		Vitamin B <sub>12</sub> , mcg	2.3	9.5			
		Niacin, mg	7.5	32			
		Choline, mg	150	635			
		Biotin, mcg	115	475			
		Pantothenic Acid, mg	3.8	16			
		Sodium, mg	185	790			
		Sodium, mEq	8.0	34.3			

**SUPLENA with Carb Steady Ingredients**

①-D Water, Corn Maltodextrin, High Oleic Safflower Oil, Milk Protein Isolate, Sugar (Sucrose), Canola Oil, Maltitol Syrup, Sodium Caseinate, Fructooligosaccharides, Corn Fiber, Soy Lecithin, Natural and Artificial Flavors, Potassium Citrate, Sodium Citrate, Magnesium Chloride, Choline Chloride, Calcium Phosphate, Calcium Carbonate, Magnesium Phosphate, Ascorbic Acid, L-Carnitine, Carrageenan, Taurine, Salt (Sodium Chloride), Potassium Chloride, Zinc Sulfate, d-Alpha-Tocopheryl Acetate, Ferrous Sulfate, Niacinamide, Calcium Pantothenate, Pyridoxine Hydrochloride, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Chromium Chloride, Biotin, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>. (FAN 8135-01)

**Contains milk and soy ingredients.**

<sup>1</sup> Wolever T et al: *Can J Diabetes* 2002;26-356-362.  
<sup>2</sup> Seechi A et al: *Klin Wochenschr* 1986;64:265-269.  
<sup>3</sup> Wheeler ML et al: *Diabetes Care* 1991;14:769-771.  
<sup>4</sup> Wolf BW et al: *Nutr Res* 2001;21:1099-1106.  
<sup>5</sup> Livsey G: *Br J Nutr* 2001;85:S7-S16.

**HCPSC Code B4154**  
**www.Ross.com**  
**www.Ross.com/Reimbursement**

# TwoCal® HN

Calorie and Protein Dense  
Nutrition With FOS



## Usage

TWOCAL HN is a nutritionally complete, high-calorie liquid food designed to meet the increased protein and calorie needs of stressed patients and patients requiring low-volume feedings.

- For tube or oral feeding
- For supplemental or sole-source nutrition
- Often provided in 2-fl-oz amounts QID with Med Pass to assist with weight gain or maintenance
- Not for parenteral use

## Features

- High in calories (2 Cal/mL) to help patients gain and maintain healthy weight
- Provides protein to help support lean body mass and wound healing
- Meets or exceeds 25% of the RDI for 24 essential vitamins and minerals in 8 fl oz
- Can supply needed nutrients for nutritionally at-risk elderly
- Includes 1.2 g of NutraFlora® FOS/8 fl oz (5 g/L). FOS are prebiotics that stimulate the growth of beneficial bacteria in the colon. (See page 113 for more about FOS.)
- Kosher
- Lactose- and gluten-free
- Low-residue

## Availability

<u>Flavor</u>	<u>List No.</u>	<u>NDC Format Code</u>
<b>— 8-fl-oz cans; 24/case</b>		
Vanilla .....	00729.....	70074-0407-29
Butter Pecan .....	54064.....	70074-0540-65
<b>— Ross Ready-To-Hang® 1000-mL pre-filled containers; 8/case</b>		
Unflavored .....	57047.....	70074-0570-48



Technical Nutrition Data		Nutrition Information (Vanilla)		Nutrition Information	
		8 fl oz	1000 mL	8 fl oz	1000 mL
Nutrient Density (Cal/mL)	2.0				
Protein (% Cal)	16.7	475	2000	430	1810
Carbohydrate (% Cal)	43.2	19.9	83.5	12.2	51.1
Fat (% Cal)	40.1	51.8	218.5	250	1050
MCT:LCT	19:81	1.2	5.0	250	1050
Cal to meet 100% RDIs	1900	1.2	5.0	100	425
mL to meet 100% RDIs	948	21.5	90.5	38	160
Kosher	Yes	166	700	1.3	5.3
Gluten-Free	Yes	1250	5270	0.50	2.1
Lactose-Free	Yes	100	425	5.7	24
Low-Residue	Yes	12	51	4.5	19
Total Cal/g Nitrogen	150:1	20	85	18	74
Nonprotein Cal/g Nitrogen	125:1	75	320	30	130
Osmolality, mOsm/kg H <sub>2</sub> O	725	160	675	38	160
Renal Solute Load, mOsm/L	653	0.60	2.6	38	160
Viscosity		0.68	2.9	38	160
Nectar-like (Room Temperature)		0.80	3.4		
Nectar-like (Chilled)		2.4	10		
Minimum Tube Size for Pump Feeding, Fr	8	8.0	34		
(Gravity feeding not recommended.)		150	635		
		120	510		
		4.0	17		
		345	1450		
		15	63.0		
		580	2440		
		14.8	62.6		

## TWOCAL HN Ingredients

**(Vanilla):** Ⓢ-D Water, Corn Syrup Solids, Sodium and Calcium Caseinates, Corn Maltodextrin, High Oleic Safflower Oil, Sugar (Sucrose), Medium Chain Triglycerides, Canola Oil, Fructooligosaccharides, Potassium Citrate, Magnesium Chloride, Calcium Phosphate, Natural and Artificial Flavors, Soy Lecithin, Sodium Citrate, Ascorbic Acid, Choline Chloride, Taurine, L-Carnitine, Zinc Sulfate, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Potassium Iodide, Sodium Selenate, Phylloquinone, Cyanocobalamin, and Vitamin D<sub>3</sub>. (FAN 7960-08)

**Contains milk and soy ingredients.**

**HCPCS Code B4152**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Vital® HN

Specialized Nutrition With  
Partially Hydrolyzed Protein



## Usage

VITAL HN is a partially hydrolyzed, low-residue feeding intended as a source of complete, balanced nutrition for patients with chronically impaired gastrointestinal function (maldigestion, malabsorption).

- For tube or oral feeding
- For supplemental or sole-source nutrition
- Not for parenteral use

## Features

- Contains peptides and free amino acids to use the dual protein absorption systems of the gut
- <4 g of fat/300-Cal serving—beneficial for patients who need a low-fat diet
- Meets or exceeds at least 100% of the RDI for 24 key vitamins and minerals at standard dilution in 1500 Cal

## Availability

Flavor \_\_\_\_\_ List No. \_\_\_\_\_ NDC Format Code \_\_\_\_\_

— **Powder: 2.79-oz (79-g) packets, 6 packets/carton;  
4 cartons/case**

Vanilla .....00766..... 70074-0407-66

## Technical Nutrition Data

(At standard dilution: 1 packet [79 g] mixed with 255 mL [8.6 fl oz] of water)

Nutrient Density (Cal/mL)	1.0
Protein (% Cal)	16.7
Carbohydrate (% Cal)	73.8
Fat (% Cal)	9.5
MCT:LCT	45:55
Cal to meet 100% RDIs	1500
mL to meet 100% RDIs	1500
Kosher	No
Gluten-Free	Yes
Lactose, g	<0.25/packet
Low-Residue	Yes
Total Cal/g Nitrogen	150:1
Nonprotein Cal/g Nitrogen	125:1
Osmolality, mOsm/kg H <sub>2</sub> O	500
Renal Solute Load, mOsm/L	327
Minimum Tube Size for Gravity/Pump Feeding, Fr	8/5

## Nutrition Information

	300 mL	1000 mL
Calories	300	1000
Protein, g	12.5	41.7
Total Carbohydrate, g	55.4	185.0
Total Fat, g	3.3	10.8
Water, g/mL/cc	260	867
Vitamin A, IU	1000	3332
Vitamin D, IU	80	267
Vitamin E, IU	9.0	30
Vitamin K, mcg	16	54
Vitamin C, mg	60	200
Folic Acid, mcg	160	533
Thiamin (Vit B <sub>1</sub> ), mg	0.60	2.0
Riboflavin (Vit B <sub>2</sub> ), mg	0.68	2.3
Vitamin B <sub>6</sub> , mg	0.80	2.7
Vitamin B <sub>12</sub> , mcg	2.4	8.0
Niacin, mg	8.0	26.7
Choline, mg	120	400
Biotin, mcg	120	400
Pantothenic Acid, mg	4.0	13.4
Sodium, mg	170	566
Sodium, mEq	7.4	24.6
Potassium, mg	420	1400
Potassium, mEq	10.7	35.8
Chloride, mg	310	1032
Chloride, mEq	8.7	29.1

	300 mL	1000 mL
Calcium, mg	200	667
Phosphorus, mg	200	667
Magnesium, mg	80	267
Iodine, mcg	30	100
Manganese, mg	1.0	3.4
Copper, mg	0.40	1.4
Zinc, mg	4.5	15
Iron, mg	3.6	12
Selenium, mcg	14	47
Chromium, mcg	24	80
Molybdenum, mcg	30	100

## VITAL HN Ingredients

Corn Maltodextrin, Sugar (Sucrose), Partially Hydrolyzed Soy/Collagen, Whey Protein Concentrate, Whey Protein Hydrolysate, Safflower Oil, Medium Chain Triglycerides, Magnesium Sulfate, Natural and Artificial Flavors, Calcium Phosphate, Potassium Phosphate, L-Tyrosine, L-Leucine, L-Valine, Salt (Sodium Chloride), L-Isoleucine, L-Phenylalanine, L-Histidine, Choline Chloride, Ascorbic Acid, L-Methionine, Magnesium Chloride, L-Threonine, Monoglycerides, Soy Lecithin, L-Tryptophan, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, Niacinamide, Ferrous Sulfate, Calcium Pantothenate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Cupric Sulfate, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Potassium Citrate, Folic Acid, Biotin, Chromium Chloride, Sodium Molybdate, Sodium Selenate, Phylloquinone, Potassium Iodide, Cyanocobalamin, and Vitamin D<sub>3</sub>.  
(FAN 7960-06)

**Contains milk and soy ingredients.**

**HCPCS Code B4153**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Vital jr.™

Therapeutic Semi-Elemental  
Nutrition for Children




## Usage

VITAL jr. is a semi-elemental formula for the nutritional needs of children ages 1-13 years with malabsorption, maldigestion, and other GI conditions when hydrolyzed protein is indicated. VITAL jr. enhances macronutrient delivery through Macro 3™ for Tolerance. It is available in two delicious “Kid-Approved” flavors to help oral compliance.

- For oral or tube feeding
- For supplemental or sole-source nutrition
- Not intended for infants under 1 year of age unless specified by a physician
- Not for children with galactosemia
- Use under medical supervision
- Not for parenteral use

## Features

- , an advanced protein, carbohydrate, and fat blend specifically designed for excellent tolerance and absorption
  - 100% hydrolyzed, whey-dominant protein
  - Unique lipid system for fat malabsorption
    - MCT:LCT ratio of 50:50
    - Structured lipids are a next-generation fat for promoting health and nutrition
  - NutraFlora® FOS, a prebiotic that helps maintain GI-tract integrity (See page 113 for more on FOS.)
- Meets or exceeds 100% of DRIs for protein, vitamin, and minerals for children 1 to 8 years of age in 1000 mL (1000 Cal); for children 9 to 13 years of age in 1500 mL (1500 Cal)
- Available in two “Kid-Approved” flavors: Vanilla and Strawberry
- Only semi-elemental pediatric product with kosher status
- Lactose- and gluten-free

## Availability

Flavor	List No.	NDC Format Code
<b>— 8-fl-oz cans; 24/case</b>		
Vanilla	59762	70074-0597-63
Strawberry	59760	70074-0597-61

Technical Nutrition Data	
Nutrient Density (Cal/mL)	1.0
Protein (% Cal)	12
Carbohydrate (% Cal)	53
Fat (% Cal)	35
MCT:LCT	50:50
Cal/mL to meet 100% DRIs for children 1-8 years	1000
Cal/mL to meet 100% DRIs for children 9-13 years	1500
Kosher	Yes
Gluten-Free	Yes
Lactose-Free	Yes
Total Cal/g Nitrogen	108:1
Nonprotein Cal/g Nitrogen	183:1
Osmolality, mOsm/kg H <sub>2</sub> O	390
Renal Solute Load, mOsm/L	273
Minimum Tube Size for Gravity/Pump Feeding, Fr	10/8

Nutrition Information (Vanilla)	Nutrition Information		
	8 fl oz	500 mL	1000 mL
Calories	237	500	1000
Protein, g	7.1	15	30
Total Carbohydrate, g	31.7	66.9	133.8
Dietary Fiber, g	0.71	1.5	3.0
FOS, g	0.71	1.5	3.0
Total Fat, g	9.6	20.3	40.5
Water, g/mL/cc	200	422	844
Vitamin A, IU	380	802	1603
Vitamin D, IU	120	253	506
Vitamin E, IU	5.4	11.4	22.8
Vitamin K, mcg	14	30	59
Vitamin C, mg	24	51	101
Folic Acid, mcg	71	150	300
Thiamin (Vit B <sub>1</sub> ), mg	0.64	1.4	2.7
Riboflavin (Vit B <sub>2</sub> ), mg	0.5	1.1	2.1
Vitamin B <sub>6</sub> , mg	0.62	1.3	2.6
Vitamin B <sub>12</sub> , mcg	1.4	3.0	5.9
Niacin, mg	2.4	5.1	10.1
Choline, mg	71	150	300
Biotin, mcg	45	95	190
Pantothenic Acid, mg	2.4	5.1	10.1
m-Inositol, mg	19	40	80
Sodium, mg	170	359	717
Sodium, mEq	7.4	15.6	31.2

Nutrition Information	Nutrition Information		
	8 fl oz	500 mL	1000 mL
Potassium, mg	320	675	1350
Potassium, mEq	8.2	17.3	34.6
Chloride, mg	240	506	1013
Chloride, mEq	6.8	14.3	28.7
Calcium, mg	250	527	1055
Phosphorus, mg	200	422	844
Magnesium, mg	47	99	198
Iodine, mcg	23	49	97
Manganese, mg	0.36	0.8	1.5
Copper, mg	0.24	0.5	1.0
Zinc, mg	1.4	3.0	5.9
Iron, mg	3.3	7.0	13.9
Selenium, mcg	7.6	16.0	32.1
Chromium, mcg	7.1	15.0	30.0
Molybdenum, mcg	8.5	17.9	35.9
L-Carnitine, mg	4.0	8.4	16.9
Taurine, mg	17	36	72

### VITAL jr. Ingredients

**(Vanilla):** Ⓛ-D Water, Corn Maltodextrin, Sugar (Sucrose), Whey Protein Hydrolysate, Structured Lipid (Interesterified Canola and Medium Chain Triglycerides), Sodium Caseinate, Medium Chain Triglycerides, Canola Oil, Fructooligosaccharides. **Less than 0.5% of the following:** Calcium Phosphate, Natural and Artificial Flavors, Potassium Citrate, Cellulose Gel, Magnesium Phosphate, Soy Lecithin, Potassium Chloride, Magnesium Chloride, Carrageenan, Choline Chloride, Ascorbic Acid, Cellulose Gum, Sodium Citrate, m-Inositol, Taurine, Sucralose, Ferrous Sulfate, dl-Alpha Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, Manganese Sulfate, Thiamine Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Vitamin D<sub>3</sub>, and Cyanocobalamin. (FAN 8154-01)

**Contains soy and milk ingredients.**

**HCPCS Code B4161**  
[www.Ross.com](http://www.Ross.com)  
[www.Ross.com/Reimbursement](http://www.Ross.com/Reimbursement)

# Ross Ready-To-Hang<sup>®</sup>

Prefilled Enteral Feeding Containers

## *DID YOU KNOW?*

Ross Ready-To-Hang is HACCP-friendly. Ask your Ross Representative how Ready-To-Hang products fit into HACCP recommendations:

- Step up to the convenience of the Ross One-A-Day System
- Cap is designed with a recessed port and protective peel-off sticker to help decrease the risk of touch contamination



## FEATURES

- Saves nursing time
- Minimizes handling to reduce risk of touch contamination
- Can be hung for up to 48 hours after initial spike when clean technique and only one new feeding set are used—otherwise, hang for a maximum of 24 hours
- “NO IV” sticker covers spike port
- Many products available in 2 sizes (1 liter, 1.5 liter)
- PediaSure® enteral formulas are now available in 500-mL containers
- Semi-rigid containers stand upright to save storage space
- No secondary outer cardboard package to remove or discard
- Wide variety of Ross Medical Nutritional products available

Prefilled with:	500 mL	See Page
• PEDIASURE ENTERAL FORMULA (#59783)	✓ . . . . .	66
• PEDIASURE ENTERAL FORMULA WITH FIBER AND FOS (#59785)	✓ . . . . .	70

Prefilled with:	1000 mL	1500 mL	See Page
• GLUCERNA® (#51206 and #52602)	✓ . . . . .	✓ . . . . .	28
• GLUCERNA® SELECT (#57703 and #57705)	✓ . . . . .	✓ . . . . .	32
• JEVITY® 1 CAL (#00682 and #52604)	✓ . . . . .	✓ . . . . .	42
• JEVITY® 1.2 CAL (#53124 and #53114)	✓ . . . . .	✓ . . . . .	44
• JEVITY® 1.5 CAL (#57329 and #57331)	✓ . . . . .	✓ . . . . .	46
• NEPRO® with Carb Steady™ (#59677)	✓ . . . . .	NA . . . . .	50
• OPTIMENTAL® (#57045)	✓ . . . . .	NA . . . . .	52
• OSMOLITE® (#50350)	✓ . . . . .	NA . . . . .	54
• OSMOLITE® 1 CAL (#00668 and #52600)	✓ . . . . .	✓ . . . . .	56
• OSMOLITE® 1.2 CAL (#53122 and #53116)	✓ . . . . .	✓ . . . . .	58
• OSMOLITE® 1.5 CAL (#57471)	✓ . . . . .	NA . . . . .	60
• OXEPA® (#57043)	✓ . . . . .	NA . . . . .	62
• PERATIVE® (#51948 and #57635)	✓ . . . . .	✓ . . . . .	72
• PIVOT® 1.5 CAL (#58015)	✓ . . . . .	NA . . . . .	74
• PROMOTE® (#51616 and #57631)	✓ . . . . .	✓ . . . . .	78
• PROMOTE® WITH FIBER (#51874 and #57633)	✓ . . . . .	✓ . . . . .	80
• PULMOCARE® (#51204)	✓ . . . . .	NA . . . . .	84
• TWOCAL® HN (#57047)	✓ . . . . .	NA . . . . .	88

# Companion™ Ambulatory Transporter



- #504 . . . . . Companion Ambulatory Transporter
- #507 . . . . . Companion Ambulatory Enteral Feeding Bag  
With Preattached Companion Pump Set  
(30/case)

*Sold in single units unless otherwise noted.*

[www.Ross.com](http://www.Ross.com)

## Features

- Enables the patient to carry the pump, bag, and tubing without an IV pole
- A specially designed 500-mL feeding bag fits the carrier
- Transporter fits either Companion or Companion ClearStar™ pumps



# Companion™ Enteral Pump



## Features

- Unique cassette is designed to prevent accidental product free-flow due to improper set loading
- Lightweight pump fits into an ambulatory carrier to eliminate the need for an IV pole, if desired
- Use of a pressure sensor, rather than a drop sensor, means fewer alarms due to overfilled sight chamber, condensation, or drops clinging to inside of sight chamber
- Easy-to-load cassette snaps in—no threading, looping, or wrapping of tubing
- Flow rates of 5 to 300 mL/hr in 1-mL increments
- Compatible with a wide variety of Ross containers and sets

## Availability Rx Only

#54748 . . . . . Purchase (remanufactured)

#84 . . . . . Lease/Rental

*Sold in single units.*

## Options

#507 . . . . . Ambulatory bag with preattached pump set  
**plus** #504 Ambulatory Transporter

#71 . . . . . Top-Fill with preattached pump set **or** #50430  
Top-Fill 500 with preattached pump set

#88 . . . . . Piercing pin pump set **plus** #90 Top-Fill  
**or** RTH Container

[www.Ross.com](http://www.Ross.com)

# Embrace™ Enteral Pump



## Features

### ■ Safety

- Anti-free-flow cassette prevents over delivery due to improper set loading
- Settings review screen requires user to verify settings before feeding
- Keypad lockout prevents accidental changes to settings

### ■ Simplicity

- Numeric keypad for direct entry of settings
- On-screen help for troubleshooting
- Easy one-hand pump set loading
- Automatic priming

### ■ Flexibility

- Ambulatory or stationary use
- Lightweight pump weighs only 1.5 lb and operates in any position
- Dose setting allows delivery of preset volume of formula
- Interval feeding mode repeats dose at selected time intervals
- Battery operates 18 hours, recharges in 6 hours

### Availability Rx Only

#55335. . . . . Purchase

#55336. . . . . Lease/Rental

### **Pump Set and Container Options**

- #55355 . . . . 500-mL Ambulatory bag with preattached pump set **plus** #55749 Ambulatory carrier
- #55747 . . . . Top-Fill with preattached pump set
- #55359 . . . . Piercing pin pump set **plus**  
#90 Top-Fill **or** RTH Container

### **Optional Accessories**

- #55352 . . . . AC adapter/charger—plug in the pump without the charger base
- #55749 . . . . Ambulatory carrier—carry the pump for mobile feedings
- #56739 . . . . Removable pole clamp—clamp the pump to the pole without the charger base

[www.Ross.com](http://www.Ross.com)

# Patrol® Enteral Pump



## Features

- **Safe-T-Valve™**
  - Designed to protect against runaway feeding if set is improperly loaded or becomes dislodged from pump
- **Free-Flow Alarm**
  - Stops flow and alerts caregiver to free-flow condition when set is properly loaded
- **Smart Pump**
  - Dial settings designed to take the guesswork out of pump programming—making operation easy to learn, easy to use, and easy to teach

- **Programmable Hold**
  - If caregiver desires HOLD for other than 5 minutes for patient care, another interval (1 to 90 minutes) may be selected
- **Lockout Features**
  - Allows caregiver to temporarily disable SET RATE, SET DOSE, and CLEAR VOLUME dial settings to prevent unauthorized or accidental changes

## Availability Rx Only

#52034. . . . . Purchase

#52036. . . . . Lease/Rental

*Sold in single units.*

## Options

#52042 . . . . . Top-Fill with preattached pump set

#52048 . . . . . Easy-Feed® with preattached pump set

#52040/#90 . . . Piercing pin pump set **plus** Top-Fill  
**or** RTH container

[www.Ross.com](http://www.Ross.com)

# Quantum™ Enteral Pump



## Features

- **Automatic Priming**
  - Automatic set priming allows the nurse to perform other duties while priming takes place. Manual priming is available but is optional
- **Feeding Cassette**
  - Designed to prevent accidental free flow of formula due to improper set loading
- **Ultrasonic Flow Sensing**
  - No drop sensing means fewer false alarms
- **Easy Setup**
  - Dial and display panel instructions are clear and simple, so staff, patients, or family members can easily learn their use. The cassette fits easily into place, eliminating the need to thread, loop, or wrap tubing

- **Programmed Dose**
  - A feeding dose can be programmed so the pump stops feeding when preset dose has been delivered
- **Memory Retention**
  - While on AC power, RATE, VOLUME FED, and DOSE values are retained—even when the pump is turned off—so there is less need to reset

## Availability Rx Only

#59322 . . . . . Purchase (remanufactured)

#50598 . . . . . Lease/Rental

*Sold in single units.*

## Options

### Feeding and Automatic Tube Flushing

#50606 . . . . . Top-Fill with preattached pump set with flush bag

#50604 . . . . . Piercing pin pump set with flush bag **plus** #90 Top-Fill **or** RTH Container

### Feeding Only

#50608 . . . . . Top-Fill with preattached pump set

#50600 . . . . . Piercing pin pump set **plus** #90 Top-Fill **or** RTH Container

[www.Ross.com](http://www.Ross.com)

# Easy-Feed<sup>®</sup> Enteral Nutrition Bag

With Preattached Pump Set



## Features

- All Ross sets are DEHP-free
- 1000-mL bag has rigid neck for easy filling and handling
- Strong, dependable hanging ring
- Easy-to-read graduations and easy-view translucent bag material
- Bottom exit port allows complete drainage

**Availability Rx Only** (Not available in single units)

## 1000 mL

- #56 . . . . . Easy-Feed Enteral Nutrition Bag With Preattached Ross *Gravity* Feeding Set (30/case)
- #52048. . . . . Easy-Feed Enteral Nutrition Bag With Preattached *Patrol*<sup>®</sup> Pump Set (30/case)

## 500 mL

- #51584 . . . . . Easy-Feed 500-mL Enteral Nutrition Bag With Preattached Ross *Gravity* Feeding Set (30/case)

[www.Ross.com](http://www.Ross.com)

# Top-Fill Enteral Nutrition Bag



## Features

- All Ross sets are DEHP-free
- Strong hanging ring and long, rigid neck for easy filling and handling
- Easy-to-read graduations
- Exit port allows complete product drainage

**Availability Rx Only** (Not available in single units)

## 1000 mL

- #71 . . . . . Top-Fill Enteral Nutrition Bag With Preattached *Companion™* Pump Set (30/case)
- #89 . . . . . Top-Fill Enteral Nutrition Bag With Preattached *Ross Gravity Feeding Set* (24/case)
- #90 . . . . . Top-Fill Enteral Nutrition Bag (24/case)
- #50606 . . . . . Top-Fill Enteral Nutrition Bag With Preattached *Quantum™* Pump Set With Flush Bag (30/case)
- #50608 . . . . . Top-Fill Enteral Nutrition Bag With Preattached *Quantum™* Pump Set (30/case)
- #52042 . . . . . Top-Fill Enteral Nutrition Bag With Preattached *Patrol®* Pump Set (30/case)

## 500 mL

- #50430 . . . . . Top-Fill Enteral Nutrition Bag With Preattached *Companion Pump Set* (30/case)

[www.Ross.com](http://www.Ross.com)

# Ross Gravity Feeding Sets

## Features

- All Ross feeding sets are DEHP-free

## Availability Rx Only *(Not available in single units)*

- #56 . . . . . Easy-Feed® With Preattached Gravity Feeding Set (1000 mL) (30/case)
- #59 . . . . . Ross Gravity Feeding Set With Piercing Pin (24/case)
- #61 . . . . . Ross Gravity Feeding Set (24/case)
- #89 . . . . . Top-Fill With Preattached Gravity Feeding Set (24/case)
- #90 . . . . . Top-Fill Enteral Nutrition Bag (1000 mL) (24/case)
- #51584. . . . . Easy-Feed 500-mL With Preattached Gravity Feeding Set (500 mL) (30/case)

[www.Ross.com](http://www.Ross.com)



# Introducer Gastrostomy Kit

With Brown/Mueller T-Fastener™ Set



- The Introducer/stylet (placed inside the G-tube) allows easy introduction of the G-tube into the stoma tract
- Accommodates select Ross jejunal feeding tubes

**Availability Rx Only** *(Sold in single units)*

List Number	Size
#50190 . . . . .	18 F Complete Kit

[www.Ross.com](http://www.Ross.com)

## Features

- Patient is scoped once during procedure—not twice as in other procedures
- No endoscopic procedure is necessary for balloon tube removal
- T-Fasteners securely affix stomach to abdominal wall for security during procedure and during stoma tract maturation
- Progressively larger dilators provide gradual, efficient formation of stoma tract

# Magna-Port® Gastrostomy Tubes



- Minimizes separation and leakage
  - Specially designed and patented interlocking Feeding Set Connector holds gastrostomy tube and feeding set together

## Availability Rx Only *(Sold in single units)*

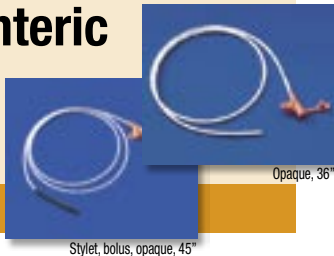
List Number	Size	Balloon-Access Valve Color
#51358 . . . . .	14 F . . . . .	Yellow
#51360 . . . . .	16 F . . . . .	Tan
#51362 . . . . .	18 F . . . . .	Orange
#51364 . . . . .	20 F . . . . .	Green
#51366 . . . . .	22 F . . . . .	Blue
#54738 . . . . .	24 F . . . . .	Peach
#59472 . . . . .	26 F . . . . .	White

[www.Ross.com](http://www.Ross.com)

## Features

- Versatile and convenient, tubes can be used for initial placement or for replacement
  - For use in an existing stoma as a replacement tube or as a primary catheter in place of a Foley or de Pezzer catheter (when the tract is created using the Stamm or Witzel procedure)
- Designed for patient comfort
  - Medical-grade silicone tube material is biocompatible and flexible
- Lessens potential for tube migration
  - Skin disk helps maintain tube position

# Nasoenteric Tubes



## Features

- Y-Port Connector
  - No need to disconnect feeding set to flush tube or add medication
- Patented Interlock
  - Feeding tube and adapter interlock to minimize separation and leakage. Interlock feature is available on all Ross gravity and pump sets
- Open-End Feeding Port
  - Open end, and at least two side ports, provides good fluid flow and minimizes potential for clogging
- Premium Medical-Grade Polyurethane Material

- Designed to resist kinking and collapse during aspiration of stomach contents
- Strong material means thinner tube walls to deliver more flow
- Flow-Through Stylet
  - Does not need to be removed to aspirate stomach contents or inject air
  - Designed to be removed easily without adding water or lubricant
- Tubes are radiopaque and have reference markings
- Water-activated lubricant eliminates need for additional lubrication

**Availability Rx Only** (*Individually packaged; not available in single units*)

### 8 F; 10/case

- #471 Stylet, bolus, opaque, 36"
- #472 Bolus, opaque, 45"
- #473 Stylet, bolus, opaque, 45"

### 10 F; 10/case

- #476 Stylet, bolus, opaque, sterile, 45"
- #55041 Stylet, opaque, 45"

[www.Ross.com](http://www.Ross.com)

### 12 F; 10/case

- #474 Opaque, 36"
- #475 Stylet, bolus, opaque, 45"
- #50124 Clear, 36"

### 14 F; 10/case

- #477 Opaque, 36"

### 16 F; 10/case

- #50138 Clear, 36"

# Ross Lap G™ Laparoscopic Gastrostomy Kit

With Brown/Mueller T-Fastener™ Set



**Availability Rx Only** *(Sold in single units)*

List Number	Size
#51174 . . . . .	18 F

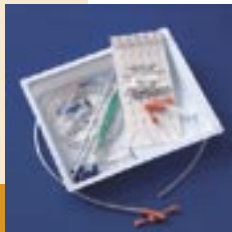
[www.Ross.com](http://www.Ross.com)

## Features

- An alternative to open gastrostomy, and PEG—no endoscopy needed
- T-Fasteners affix and retract stomach without suturing
- Procedure allows peritoneal visualization of tube placement into stomach
- Premium balloon gastrostomy tube is made of biocompatible silicone material, has open-end feeding port, and is easy to remove and replace

# Ross Lap J™ Laparoscopic Jejunostomy Kit

With Brown/Mueller T-Fastener™ Set



**Availability Rx Only** *(Sold in single units)*

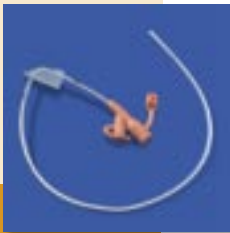
List Number	Size
#51442 . . . . .	10 F

[www.Ross.com](http://www.Ross.com)

## Features

- An alternative to open surgical jejunostomy, NCJ, and PEJ—no endoscopy needed
- Provides direct jejunal access for early enteral feeding
- T-Fasteners affix and retract jejunum without suturing
- Skin anchor is designed to minimize tube migration
- Premium jejunostomy tube is made of biocompatible polyurethane, has a radiopaque stripe, an open-end feeding port, and two side feeding ports

# Jejunostomy Tubes



**Availability Rx Only** *(Sold in single units)*

List Number	Size
#51996 . . . . .	10 F

[www.Ross.com](http://www.Ross.com)

## Features

- For primary surgical placement or as a replacement for an initially placed Ross jejunostomy tube
- After stoma tract has formed, this tube permits noninvasive bedside replacement directly into the jejunum
- Skin anchor is designed to minimize tube migration
- Premium jejunostomy tube is made of biocompatible polyurethane, has a radiopaque stripe, an open-end feeding port, and two side feeding ports

# Y-Port Connectors

Y-Port Connector with side port  
for Luer-tip syringe  
(For use with PEG tubes)



**Availability Rx Only** (Not available in single units)

Y-Port Connector

*Side port fits Luer-tip syringe*

#835. . . . . For use with 14 F or 16 F percutaneous  
endoscopic gastrostomy tubes (10/pkg)

#836. . . . . For use with 18 F or 20 F percutaneous  
endoscopic gastrostomy tubes (10/pkg)

[www.Ross.com](http://www.Ross.com)

## Features

- Provides connection between feeding tube and feeding set that permits irrigation and medication administration without disconnecting feeding set
- Two openings allow easy flushing and administering of liquid medications without disconnecting feeding set
- Caps help minimize risk of contamination

# Calendar

2006	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>
	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
	1 2 3 4 5 6 7	1 2 3 4	1 2 3 4	1	1 2 3 4 5 6	1 2 3
	8 9 10 11 12 13 14	5 6 7 8 9 10 11	5 6 7 8 9 10 11	2 3 4 5 6 7 8	7 8 9 10 11 12 13	4 5 6 7 8 9 10
	15 16 17 18 19 20 21	12 13 14 15 16 17 18	12 13 14 15 16 17 18	9 10 11 12 13 14 15	14 15 16 17 18 19 20	11 12 13 14 15 16 17
	22 23 24 25 26 27 28 29 30 31	19 20 21 22 23 24 25 26 27 28	19 20 21 22 23 24 25 26 27 28 29 30 31	16 17 18 19 20 21 22 23 <sub>30</sub> 24 25 26 27 28 29	21 22 23 24 25 26 27 28 29 30 31	18 19 20 21 22 23 24 25 26 27 28 29 30
<b>JULY</b>	<b>AUGUST</b>	<b>SEPTEMBER</b>	<b>OCTOBER</b>	<b>NOVEMBER</b>	<b>DECEMBER</b>	
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	
1	1 2 3 4 5	1 2	1 2 3 4 5 6 7	1 2 3 4	1 2	
2 3 4 5 6 7 8	6 7 8 9 10 11 12	3 4 5 6 7 8 9	8 9 10 11 12 13 14	5 6 7 8 9 10 11	3 4 5 6 7 8 9	
9 10 11 12 13 14 15	13 14 15 16 17 18 19	10 11 12 13 14 15 16	15 16 17 18 19 20 21	12 13 14 15 16 17 18	10 11 12 13 14 15 16	
16 17 18 19 20 21 22 23 <sub>30</sub> 24 <sub>31</sub> 25 26 27 28 29	20 21 22 23 24 25 26 27 28 29 30 31	17 18 19 20 21 22 23 24 25 26 27 28 29 30	22 23 24 25 26 27 28 29 30 31	19 20 21 22 23 24 25 26 27 28 29 30	17 18 19 20 21 22 23 24 <sub>31</sub> 25 26 27 28 29 30	
2007	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>
	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
	1 2 3 4 5 6	1 2 3	1 2 3	1 2 3 4 5 6 7	1 2 3 4 5	1 2
	7 8 9 10 11 12 13	4 5 6 7 8 9 10	4 5 6 7 8 9 10	8 9 10 11 12 13 14	6 7 8 9 10 11 12	3 4 5 6 7 8 9
	14 15 16 17 18 19 20	11 12 13 14 15 16 17	11 12 13 14 15 16 17	15 16 17 18 19 20 21	13 14 15 16 17 18 19	10 11 12 13 14 15 16
	21 22 23 24 25 26 27 28 29 30 31	18 19 20 21 22 23 24 25 26 27 28	18 19 20 21 22 23 24 25 26 27 28 29 30 31	22 23 24 25 26 27 28 29 30	20 21 22 23 24 25 26 27 28 29 30 31	17 18 19 20 21 22 23 24 25 26 27 28 29 30
<b>JULY</b>	<b>AUGUST</b>	<b>SEPTEMBER</b>	<b>OCTOBER</b>	<b>NOVEMBER</b>	<b>DECEMBER</b>	
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	
1 2 3 4 5 6 7	1 2 3 4	1	1 2 3 4 5 6	1 2 3	1	
8 9 10 11 12 13 14	5 6 7 8 9 10 11	2 3 4 5 6 7 8	7 8 9 10 11 12 13	4 5 6 7 8 9 10	2 3 4 5 6 7 8	
15 16 17 18 19 20 21	12 13 14 15 16 17 18	9 10 11 12 13 14 15	14 15 16 17 18 19 20	11 12 13 14 15 16 17	9 10 11 12 13 14 15	
22 23 24 25 26 27 28 29 30 31	19 20 21 22 23 24 25 26 27 28 29 30 31	16 17 18 19 20 21 22 23 <sub>30</sub> 24 25 26 27 28 29	21 22 23 24 25 26 27 28 29 30 31	18 19 20 21 22 23 24 25 26 27 28 29 30	16 17 18 19 20 21 22 23 <sub>30</sub> 24 <sub>31</sub> 25 26 27 28 29	



## NutraFlora® FOS

Fructooligosaccharides (FOS) are natural carbohydrates that are not digested in the GI tract by alpha-amylase, sucrase, or maltase, but are fermented by Gram-negative organisms such as bifidobacteria in the colon to short-chain fatty acids (SCFAs). Because FOS have functions similar to those of soluble fibers, they can be classified as dietary fiber. However, FOS do not contribute to residue in the stool. FOS are referred to as prebiotics because they stimulate the growth of healthy intestinal bacteria, eg, bifidobacteria.<sup>1</sup> FOS are fermented by bacteria in the colon to short-chain fatty acids (SCFAs). The absorption of SCFAs promotes the uptake of electrolytes and water in the colon,<sup>2,3</sup> which is important in the management of diarrhea.<sup>4</sup> SCFAs are also a preferred energy source for the cells of the colon, helping to maintain GI-tract integrity.<sup>1</sup> In addition, SCFA production acidifies the colon, creating an unfavorable environment for *C difficile* in at-risk patients.<sup>5-6</sup>

Medical nutritional products containing FOS contribute to GI-tract health and can help meet the recommended daily intake for dietary fiber. Experts recommend daily fiber intake of 20 to 35 grams for adults. Due to their short chain length, NutraFlora® brand FOS are the most quickly fermented by gut flora<sup>3</sup> and the most readily available form of FOS.

Ross Products offers many medical nutritionals containing NutraFlora FOS. FOS are included in Ensure® Fiber, Ensure® Pudding, Glucerna® Select, Glucerna® Shake, Glucerna® Weight Loss Shake, Jevity® 1.2 Cal, Jevity® 1.5 Cal, Nepro®, Optimental®, PediaSure® Enteral Formula With Fiber and FOS, Perative®, Pivot® 1.5 Cal, ProSure® Shake, Suplena®, TwoCal® HN, and Vital jr™. Products containing NutraFlora FOS are identified with the NutraFlora burst.

## NutraFlora FOS Benefits

- Prebiotics that stimulate the growth of beneficial bacteria (eg, bifidobacteria) in the colon
- Fermented by bacteria in the colon to short-chain fatty acids (SCFAs), which suppress the growth of *C difficile* in at-risk patients when fed at 10 g/day
- Stimulate water and electrolyte uptake in the colon, which is important in the management of diarrhea

## References

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\* NutraFlora® is a trademark of Golden Technologies, Inc, Golden, Colorado.

### Daily Reference Values and Reference Daily Intakes

DRVs and RDIs are reference standards for nearly all adults (nonpregnant, nonlactating) and children ages 4 years and older. DRVs/RDIs are based on Recommended Dietary Allowances (RDAs), considered to be intake levels that healthy persons should achieve. On a food label, RDIs and DRVs are referred to as Daily Values (DVs). DVs are based on a 2000-Calorie diet.

**Dietary Reference Intakes (DRIs):** Issued by the Institute of Medicine, DRIs expand upon and replace the 1989 RDAs and include four types of reference values:

1. Recommended Dietary Allowance (RDAs): The average daily dietary nutrient intake levels sufficient to meet the nutrient requirement of nearly all (97%–98%) healthy individuals in a particular life stage and gender group.
2. Adequate Intake (AIs): The recommended average daily intake level based on observed or experimentally determined approximations or estimates of nutrient intake by a group (or groups) of apparently healthy people that are assumed to be adequate—used when an RDA cannot be determined.
3. Upper Intake Level (UL): The highest average daily nutrient intake level that is likely to pose no risk of adverse health effects to almost all individuals in the general population.
4. Estimated Average Requirement (EAR): The average daily nutrient intake level estimated to meet the requirement of half the healthy individuals in a particular life stage and gender group.

DRIs are used in this booklet for PediaSure® Formulas.

### Daily Values (DVs) and Reference Daily Intakes (RDIs)

	100% DV	100% RDI		100% DV	100% RDI
Total Fat, g	65		Choline, mg	550	Not est.
Saturated Fat, g	20		Biotin, mcg	300	300
Cholesterol, mg	300		Pantothenic Acid, mg	10	10
Total Carbohydrate, g	300		Sodium, mg	2400	Not est.
Dietary Fiber, g	25		Potassium, mg	3500	Not est.
Protein, g	50		Chloride, mg	3400	3400
			Calcium, mg	1000	1000
Vitamin A, IU	5000	5000	Phosphorus, mg	1000	1000
Vitamin D, IU	400	400	Magnesium, mg	400	400
Vitamin E, IU	30	30	Iodine, mcg	150	150
Vitamin K, mcg	80	80	Manganese, mg	2	2
Vitamin C, mg	60	60	Copper, mg	2	2
Folate, mcg	400	400	Zinc, mg	15	15
Thiamin (Vitamin B <sub>1</sub> ), mg	1.5	1.5	Iron, mg	18	18
Riboflavin (Vitamin B <sub>2</sub> ), mg	1.7	1.7	Selenium, mcg	70	70
Vitamin B <sub>6</sub> , mg	2	2	Chromium, mcg	120	120
Vitamin B <sub>12</sub> , mcg	6	6	Molybdenum, mcg	75	75
Niacin, mg	20	20			

**Nutrient Base:** Refers to the amount of product needed (calorie/volume) to meet or exceed 100% of the RDIs.

**NDC Format Codes:** Products sold by Ross Products, Abbott Laboratories, are classified as Medical Foods and Medical Devices by the US

Food and Drug Administration. NDC format codes are product codes adjusted according to standard industry practice to meet the format requirements of pharmacy and health insurance computer systems. Ross does not represent these products to be drugs, nor their codes to be NDC codes.

## Estimating Energy Needs

Energy expenditure is most accurately measured by indirect calorimetry. In the clinical setting, using indirect calorimetry is not feasible; thus, equations have been derived to estimate the resting energy expenditure of adults. Two such sets of equations are listed below: The classic Harris-Benedict equations and the newer Mifflin-St. Jeor equations. These sets of equations are for use in calculating energy need for adults only; they are not suitable for infants and children.

The following units are used in both sets of equations:

W = weight in kg; H = height in cm; A = age in years

### Harris-Benedict Equations<sup>1</sup>

**Basal Energy Expenditure (BEE) x activity factor x injury factor = total calorie need**

Men:  $BEE = 66.5 + (13.75 \times W) + (5.003 \times H) - (6.775 \times A)$

Women:  $BEE = 665.1 + (9.563 \times W) + (1.850 \times H) - (4.676 \times A)$

### Activity Factor

1.2 confined to bed

1.3 out of bed

### Injury Factor<sup>2</sup>

Surgery      Trauma

1.1 minor      1.35 skeletal or blunt

1.2 minor      1.6 head injury with steroid therapy

### Infection      Burns

1.1 mild      1.5 40% of body surface area

1.5 moderate      1.95 100% body surface area

1.8 severe

### Mifflin-St. Jeor Equations (MSJE)<sup>3</sup>

**Men:**  $REE = (10 \times W) + (6.25 \times H) - (5 \times A) + 5$

**Women:**  $REE = (10 \times W) + (6.25 \times H) - (5 \times A) - 161$

Use actual weight to calculate REE. Add physical activity level to determine total energy expenditure (TEE).

### Physical Activity Level (PAL)<sup>4</sup>

1.2      Confined to bed

1.3      Out of bed/ambulatory

1.6 – 1.7      Seated work; little or no strenuous leisure activity

1.8 – 1.9      Standing work or significant amount of sport or strenuous leisure activity  
(30 to 60 min; 4 to 5 times/week)

2 – 2.4      Strenuous work or highly active leisure activity

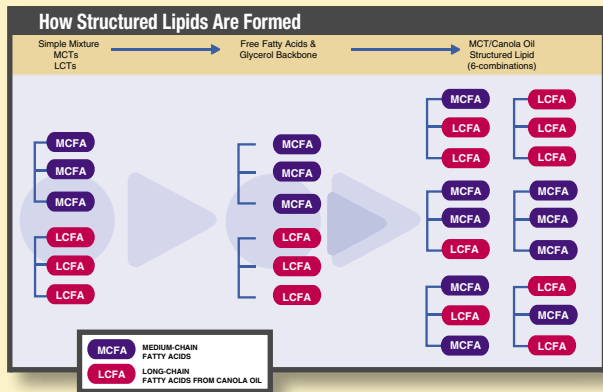
<sup>1</sup> Harris J, Benedict F: *A Biometric Study of Basal Metabolism in Man*. Washington, DC Carnegie Institute of Washington, 1919.

<sup>2</sup> The injury factor should be tapered as metabolic responses mediate.

<sup>3</sup> Mifflin MD, St Jeor ST, Hill LA, et al: A new predictive equation for resting energy expenditure in healthy individuals. *Am J Clin Nutr* 1990;51:241-247.

<sup>4</sup> Shetty PS, Henry W, Black AE, Prentice AM: Energy requirements of adults: An update on basal metabolism rates (BMRs) and physical activity levels (PALs). *Eur J Clin Nutr* 1996;59(suppl 1):S11

## Structured Triglycerides



- A next-generation fat for promoting health and nutrition
- Compared to a simple mixture of MCT and LCT, which is the lipid blend in other semi-elemental products, structured lipids:
  - Are better absorbed and tolerated<sup>1-4</sup>
  - Enhance absorption of fat-soluble vitamins and antioxidants by 30%-40%<sup>5</sup>
  - Help reduce muscle catabolism and improve nitrogen utilization during metabolic stress<sup>6-10</sup>
  - Are rapidly hydrolyzed and provide increased delivery of total fat and essential fatty acids to peripheral tissues<sup>11</sup>

## References

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## Daily Water Needs for Adults

- 1. Total minimum daily water need =**  
 $\text{Cal/day} \times 1 \text{ mL Water/Cal}$   
 (or at least 2000 mL unless the patient has fluid restrictions)
- 2. Water provided by enteral tube feeding =**  
 $\text{mL/L water in tube-feeding formula} \times \text{mL feeding order}$
- 3. Patient's water need in addition to enteral tube feeding (mL) = Total minimum daily water need (mL) – water from tube-feeding formula (mL)**

ROSS PRODUCT	Water Content (mL)		
	8 fl oz	1000 mL	1500 mL
Glucerna®	202	853	1280
Glucerna® Select	199	839	1259
Jevity® 1 Cal	197	835	1244
Jevity® 1.2 Cal	191	807	1208
Jevity® 1.5 Cal	180	760	1140
Nepro® with Carb Steady™	170	725	
Optimental®	197	832	
Osmolite®	199	841	
Osmolite® 1 Cal	199	842	1260
Osmolite® 1.2 Cal	195	820	1230
Osmolite® 1.5 Cal	181	762	
Oxepa®	186	785	
Perative®	187	790	1185
Pivot® 1.5 Cal	180	759	
Promote®	198	839	1259
Promote® With Fiber	197	831	1247
Pulmocare®	186	785	
Suplena® with Carb Steady™	174		
TwoCal® HN	166	700	
Vital® HN	260	867	
Vital® jr.	200	422	844

## Hangtime of Ross Tube-Feeding Formulas Prolonged Hangtime for Ross Ready-To-Hang® Containers With Redesigned Cap

### Introduction

The introduction of a redesigned cap on the Ross Ready-To-Hang (RTH) Prefilled Enteral Feeding Containers decreased the amount of handling and the risk of touch contamination. A study was conducted to determine if hangtime of RTH containers with the redesigned cap could be extended safely to 48 hours from previous closed-system hangtime recommendations of 24 hours.<sup>1-4</sup>

### Methods

In Part I of the study, 24 1.5-liter RTH containers of Jevity® Plus with the redesigned cap were run at room temperature for 48 hours using Ross enteral feeding pumps. Clean technique (as described in RTH label instructions) was used during spiking and handling.

In Part II of the study, 48 1.5-liter RTH containers of Jevity Plus with the redesigned cap were run for 48 hours at 37°C (98.6°F) using Ross enteral feeding pumps to evaluate the effect of elevated temperature on hangtime. Clean technique was used with 24 of the containers. Non-clean technique was used with the remaining 24 containers. Product samples were aseptically collected at the beginning of hangtime and at 30, 36, and 48 hours for determination of microbial content. The presence of more than 10<sup>4</sup> colony-forming units (CFU)/mL was considered unacceptable.

### Results

**Part I:** No microbial growth was exhibited in 22 samples collected at the beginning of hangtime. Data from two containers were not included because the containers emptied before completion of the 48-hour hangtime.

**Part II:** No microbial growth was exhibited in the 24 samples collected at the beginning of hangtime.

Data for three of the containers at 30 hours were not included because the containers emptied before completion of the 30-hour hangtime, reducing the sample size to 21. Data for four of the containers at 36 hours were not included because the containers emptied before completion of the 36-hour hangtime, reducing the sample size to 20. Data for five of the containers at 48 hours were not included because the containers emptied before completion of the 48-hour hangtime, reducing the sample size to 19.

### **Conclusions**

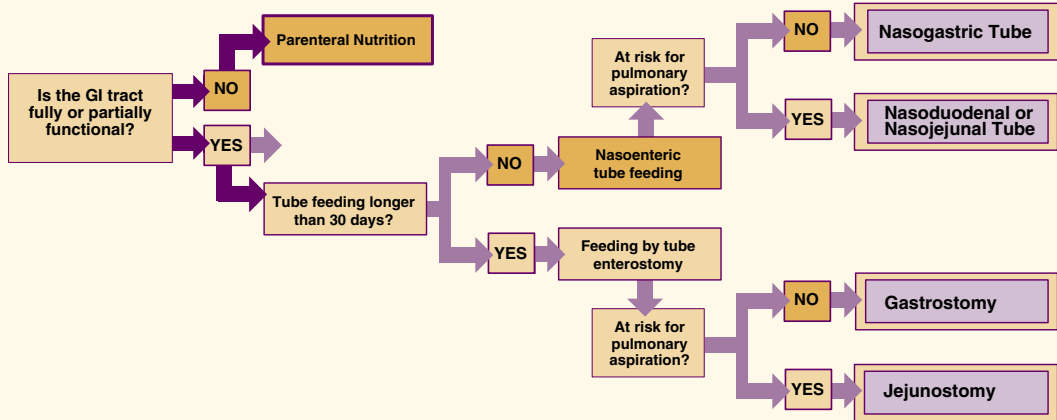
These findings demonstrate that when label instructions are followed, RTH containers with the redesigned cap may safely hang up to 48 hours. Strict adherence to label instructions for clean technique is critical to achieving 48-hour hangtimes.

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## Decision Making for Selecting a Tube-Feeding Site



## Hourly Tube-Feeding Rates for Ross Medical Nutritional Products

<b>1.0 Cal/mL Products Hourly Feeding Rates</b>											
<b>Calories per Day</b>	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
<b>Hours Fed</b>	<b>mL/hour</b>										
6	167	184	200	217	234	250	267	284	300	317	334
8	125	138	150	163	175	188	200	213	225	238	250
12	84	92	100	109	117	125	134	142	150	159	167
16	63	69	75	82	88	94	100	107	113	119	125
18	56	62	67	73	78	84	89	95	100	106	112
20	50	55	60	65	70	75	80	85	90	95	100
22	46	50	55	60	64	69	73	78	82	87	91
24	42	46	50	55	59	63	67	71	75	80	84
<b>Total Daily Volume in mL</b>	<b>1000</b>	<b>1100</b>	<b>1200</b>	<b>1300</b>	<b>1400</b>	<b>1500</b>	<b>1600</b>	<b>1700</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>

### 1.06 Cal/mL Products Hourly Feeding Rates

Calories per Day	1000	1100	1200	1300	1400	1500	1590	1600	1700	1800	1900	2000
Hours Fed	mL/hour											
6	158	173	189	205	221	236	250	252	268	284	299	315
8	118	130	142	154	166	177	188	189	201	213	225	236
12	79	87	95	103	110	118	125	126	134	142	150	158
16	59	65	71	77	83	89	94	95	101	107	112	118
18	53	58	63	69	74	79	84	84	90	95	100	105
20	48	52	57	62	66	71	75	76	81	85	90	95
22	43	48	52	56	60	65	68	69	73	78	82	86
24	40	44	48	52	55	59	63	63	67	71	75	79
<b>Total Daily Volume in mL</b>	<b>944</b>	<b>1038</b>	<b>1132</b>	<b>1227</b>	<b>1321</b>	<b>1416</b>	<b>1500</b>	<b>1510</b>	<b>1604</b>	<b>1699</b>	<b>1793</b>	<b>1887</b>

## Hourly Tube-Feeding Rates for Ross Medical Nutritional Products

<b>1.2 Cal/mL Products Hourly Feeding Rates</b>											
<b>Calories per Day</b>	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
<b>Hours Fed</b>	<b>mL/hour</b>										
6	139	153	167	181	195	209	223	237	250	264	278
8	105	115	125	136	146	157	167	178	188	198	209
12	70	77	84	91	98	105	112	118	125	132	139
16	53	58	63	68	73	79	84	89	94	99	105
18	46	51	56	61	65	70	75	79	84	88	93
20	42	46	50	55	59	63	67	71	75	80	84
22	38	42	46	50	53	57	61	65	69	72	76
24	35	39	42	46	49	53	56	59	63	66	70
<b>Total Daily Volume in mL</b>	<b>834</b>	<b>917</b>	<b>1000</b>	<b>1084</b>	<b>1167</b>	<b>1250</b>	<b>1334</b>	<b>1417</b>	<b>1500</b>	<b>1584</b>	<b>1667</b>

### 1.3 Cal/mL Products Hourly Feeding Rates

Calories per Day	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Hours Fed	mL/hour										
6	128	141	154	167	179	192	205	218	231	244	256
8	96	106	115	125	135	144	154	163	173	183	192
12	64	71	77	83	90	96	103	109	115	122	128
16	48	53	58	63	67	72	77	82	87	91	96
18	43	47	51	56	60	64	68	73	77	81	85
20	38	42	46	50	54	58	62	65	69	73	77
22	35	38	42	45	49	52	56	59	63	66	70
24	32	35	38	42	45	48	51	54	58	61	64
<b>Total Daily Volume in mL</b>	<b>769</b>	<b>846</b>	<b>923</b>	<b>1000</b>	<b>1077</b>	<b>1154</b>	<b>1231</b>	<b>1308</b>	<b>1385</b>	<b>1462</b>	<b>1538</b>

## Hourly Tube-Feeding Rates for Ross Medical Nutritional Products

<b>1.5 Cal/mL Products Hourly Feeding Rates</b>											
<b>Calories per Day</b>	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
<b>Hours Fed</b>	<b>mL/hour</b>										
6	112	123	134	145	156	167	178	189	200	212	223
8	84	92	100	109	117	125	134	142	150	159	167
12	56	62	67	73	78	84	89	95	100	106	112
16	42	46	50	55	59	63	67	71	75	80	84
18	37	41	45	49	52	56	60	63	67	71	75
20	34	37	40	44	47	50	54	57	60	64	67
22	31	34	37	40	43	46	49	52	55	58	61
24	28	31	34	37	39	42	45	48	50	53	56
<b>Total Daily Volume in mL</b>	<b>667</b>	<b>734</b>	<b>800</b>	<b>867</b>	<b>934</b>	<b>1000</b>	<b>1067</b>	<b>1134</b>	<b>1200</b>	<b>1267</b>	<b>1334</b>

## 1.8 Cal/mL Products Hourly Feeding Rates

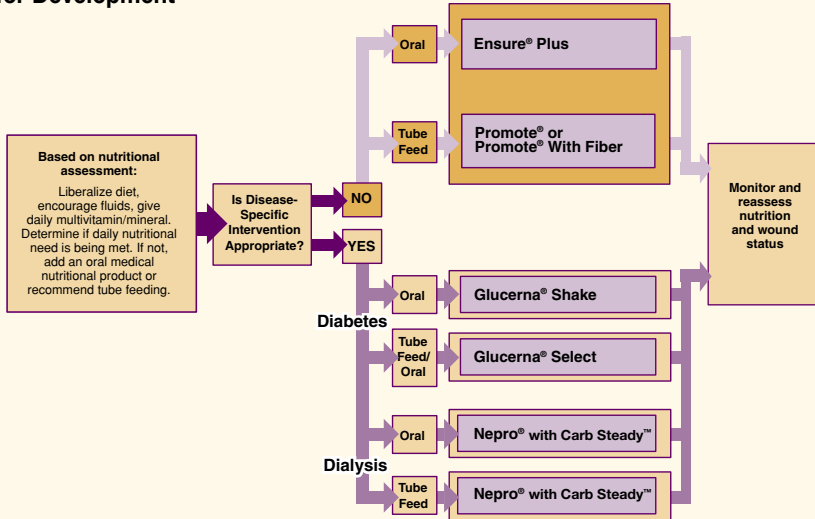
Calories per Day	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
Nepro with Carb Steady Protein, g	44.5	48.9	53.4	57.8	62.2	66.6	71.1	75.5	80	84.4	88.9	93.4	97.8
Suplena with Carb Steady Protein, g	25.6	28.1	30.7	33.2	35.8	38.3	40.9	43.4	46	48.5	51.1	53.7	56.2
Hours Fed	mL/hour												
6	93	102	111	120	130	139	148	157	167	176	185	194	204
8	70	76	83	90	97	104	111	118	125	132	139	146	153
12	46	51	56	60	65	69	74	79	83	88	93	97	102
16	35	38	42	45	49	52	56	59	63	66	69	73	76
18	31	34	37	40	43	46	49	52	56	59	62	65	68
20	28	31	33	36	39	42	44	47	50	53	56	58	61
22	25	28	30	33	35	38	40	43	45	48	51	53	56
24	23	25	28	30	32	35	37	39	42	44	46	49	51
<b>Total Daily Volume in mL</b>	<b>556</b>	<b>611</b>	<b>667</b>	<b>722</b>	<b>778</b>	<b>833</b>	<b>889</b>	<b>944</b>	<b>1000</b>	<b>1055</b>	<b>1111</b>	<b>1167</b>	<b>1222</b>

## Hourly Tube-Feeding Rates for Ross Medical Nutritional Products

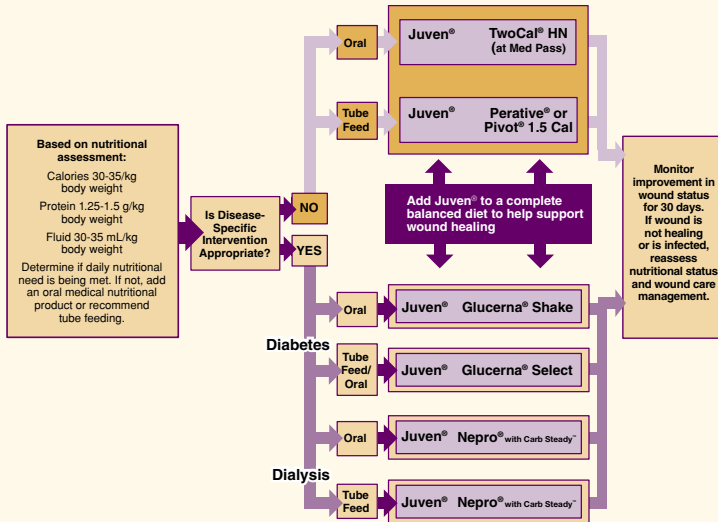
<b>2.0 Cal/mL Products Hourly Feeding Rates</b>											
<b>Calories per Day</b>	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
<b>Hours Fed</b>	<b>mL/hour</b>										
6	83	92	100	108	117	125	133	142	150	158	167
8	63	69	75	81	88	94	100	106	113	119	125
12	42	46	50	54	58	63	67	71	75	79	83
16	31	34	38	41	44	47	50	53	56	59	63
18	28	31	33	36	39	42	44	47	50	53	56
20	25	28	30	33	35	38	40	43	45	48	50
22	23	25	27	30	32	34	36	39	41	43	45
24	21	23	25	27	29	31	33	35	38	40	42
<b>Total Daily Volume in mL</b>	<b>500</b>	<b>550</b>	<b>600</b>	<b>650</b>	<b>700</b>	<b>750</b>	<b>800</b>	<b>850</b>	<b>900</b>	<b>950</b>	<b>1000</b>



# Wound Care Intervention Decision Tree: At Risk for Development



# Wound Care Intervention Decision Tree: Wound Present



## Ross Metabolic Formula System

A line of medical foods designed to meet the specialized nutrient needs of infants, children, and adults with inherited metabolic disorders requiring specific nutrition support tailored to their condition. Must be used under medical supervision.

### Stock Code

### Infant/Toddler Products

(All metabolic formulas are available by case containing six 400-g cans)

00108 . . . . .	RCF® Ross Carbohydrate Free Soy Formula Base With Iron
00378 . . . . .	Calcilo XD® Low-Calcium/Vitamin D-Free Infant Formula With Iron
50260 . . . . .	ProViMin® Protein-Vitamin-Mineral Formula Component With Iron
51112 . . . . .	Ketonex®-1 Amino Acid-Modified Medical Food With Iron Powder
51116 . . . . .	Hominex®-1 Amino Acid-Modified Medical Food With Iron Powder
51120 . . . . .	Phenex™-1 Amino Acid-Modified Medical Food With Iron Powder
51128 . . . . .	Tyrex®-1 Amino Acid-Modified Medical Food With Iron Powder
51132 . . . . .	Propimex®-1 Amino Acid Modified Medical Food With Iron Powder
51136 . . . . .	I-Valex®-1 Amino Acid-Modified Medical Food With Iron Powder

51140 . . . . .	Glutarex® -1 Amino Acid-Modified Medical Food With Iron Powder
51144 . . . . .	Cyclinex®-1 Amino Acid-Modified Medical Food With Iron Powder
51148 . . . . .	ProPhree® Protein-Free Energy Module With Iron, Vitamins & Minerals

### Stock Code

### Child/Adult Products

51114 . . . . .	Ketonex®-2 Amino Acid-Modified Medical Food Powder
51118 . . . . .	Hominex®-2 Amino Acid-Modified Medical Food Powder
51122 . . . . .	Phenex™-2 Unflavored Amino Acid-Modified Medical Food Powder
51126 . . . . .	Tyrex®-2 Amino Acid-Modified Medical Food Powder
51134 . . . . .	Propimex®-2 Amino Acid-Modified Medical Food Powder
51138 . . . . .	I-Valex®-2 Amino Acid-Modified Medical Food Powder
51142 . . . . .	Glutarex®-2 Amino Acid-Modified Medical Food Powder
51146 . . . . .	Cyclinex®-2 Amino Acid-Modified Medical Food Powder
55755 . . . . .	Phenex™-2 Vanilla Amino Acid-Modified Medical Food Powder

## Ross Medical Nutritional Products Retail List Numbers

<b>Product</b>	<b>Flavor</b>	<b>List No.</b>	<b>NDC Format Code</b>
Ensure® (8-fl-oz bottle)	Homemade Vanilla Shake . . . . .	57243. . . . .	70074-0407-11
	Creamy Milk Chocolate Shake. . . . .	57231. . . . .	70074-0407-01
	Strawberries & Cream Shake . . . . .	57234. . . . .	70074-0407-05
	Butter Pecan Shake . . . . .	57240. . . . .	70074-0517-85
	Coffee Latte Shake. . . . .	57237. . . . .	70074-0560-16
	(32-fl-oz bottle)	Homemade Vanilla Shake . . . . .	56930. . . . .
Creamy Milk Chocolate Shake. . . . .		56932. . . . .	70074-0526-39
Ensure® Fiber (8-fl-oz can)	Homemade Vanilla Shake . . . . .	00759. . . . .	70074-0407-59
	Creamy Milk Chocolate Shake. . . . .	00756. . . . .	70074-0407-56
Ensure® High Calcium (8-fl-oz bottle)	Homemade Vanilla Shake . . . . .	57789. . . . .	70074-0577-91
	Creamy Milk Chocolate Shake. . . . .	57792. . . . .	70074-0548-26
Ensure® High Protein (8-fl-oz bottle)	Homemade Vanilla Shake . . . . .	57250. . . . .	70074-0520-71
	Creamy Milk Chocolate Shake. . . . .	57253. . . . .	70074-0520-69
	Wild Berry Shake. . . . .	57256. . . . .	70074-0520-73
	Banana Cream Shake . . . . .	57474. . . . .	70074-0520-65
Ensure® Plus (8-fl-oz bottle)	Homemade Vanilla Shake . . . . .	57263. . . . .	70074-0407-07
	Creamy Milk Chocolate Shake. . . . .	57266. . . . .	70074-0407-02
	Strawberries & Cream Shake . . . . .	57269. . . . .	70074-0407-18
	Butter Pecan Shake . . . . .	57272. . . . .	70074-0517-87

## Ross Medical Nutritional Products Retail List Numbers, cont.

Ensure® Plus (32-fl-oz bottle)	Homemade Vanilla Shake . . . . .	56934. . . . .	70074-0532-05
	Creamy Milk Chocolate Shake. . . . .	56936. . . . .	70074-0532-07
Glucerna® Meal Bar (2.04-oz bar)	Chocolate Peanut . . . . .	57616. . . . .	70074-0576-17
	Chocolate Chunk . . . . .	57603. . . . .	70074-0576-04
	Oatmeal Raisin. . . . .	57606. . . . .	70074-0576-07
Glucerna® Shake (8-fl-oz can)	Homemade Vanilla . . . . .	54324. . . . .	70074-0543-25
	Chocolate Goodness . . . . .	54554. . . . .	70074-0545-55
	Straw-Very-Berry. . . . .	55903. . . . .	70074-0559-04
	Better Butter Pecan . . . . .	54322. . . . .	70074-0543-23
Glucerna® Snack Bar (size varies)	Lemon Crunch . . . . .	57011. . . . .	70074-0546-16
	Chocolate Caramel . . . . .	56957. . . . .	70074-0569-58
	Cranberry Orange . . . . .	56960. . . . .	70074-0569-61
	Caramel Nut . . . . .	57609. . . . .	70074-0576-10
	Fudge Graham . . . . .	57969. . . . .	70074-0579-70
	Strawberry Yogurt . . . . .	57972. . . . .	70074-0579-73
Glucerna® Weight Loss Shake (11-fl-oz can)	Homemade Vanilla . . . . .	57642. . . . .	70074-0576-43
	Chocolate Goodness . . . . .	57645. . . . .	70074-0576-46

PediaSure® (8-fl-oz bottle)	Vanilla . . . . .	58049. . . . .	70074-0580-50
	Chocolate . . . . .	58058. . . . .	70074-0580-59
	Strawberry . . . . .	58055. . . . .	70074-0580-56
	Banana Cream . . . . .	58052. . . . .	70074-0580-53
	Orange Cream . . . . .	58064. . . . .	70074-0580-65
PediaSure® With Fiber (8-fl-oz bottle)	Vanilla . . . . .	58061. . . . .	70074-0580-62
PediaSure® NutriPals™ (40-g bar)	S'mores . . . . .	59560. . . . .	70074-0595-61
	Strawberry Yogurt . . . . .	59563. . . . .	70074-0595-64
	Peanut Butter & Jelly. . . . .	59566. . . . .	70074-0595-67
	Peanut Butter Chocolate. . . . .	59569. . . . .	70074-0595-70
	(8-fl-oz bottle)	Vanilla . . . . .	59548. . . . .
Chocolate . . . . .		59557. . . . .	70074-0595-58
Strawberry . . . . .		59554. . . . .	70074-0595-55
ProSure® Shake (8-fl-oz can)	Vanilla . . . . .	55774. . . . .	70074-0557-75
	Banana. . . . .	55780. . . . .	70074-0557-81

## Ross Web Sites

### [www.Ross.com](http://www.Ross.com)

Ross Products Division Web site provides detailed nutritional information on all Ross products with links to all other Ross Web sites for health care professionals, consumers, and business customers. It also offers reimbursement information on Medicaid and Medicare policies for many Ross products.

### [www.RossLearningCenter.com](http://www.RossLearningCenter.com)

Ross support for the health care professional is second to none and has been offered for many years. A variety of topics are available to health care professionals in both the pediatric and adult nutritional areas. CE programs are offered as self-study or group study and are available for dietitians, nurses, and pharmacists. If you are looking for educational materials, planning to attend an educational event, or registering for continuing education credit, the Ross Learning Center can help you meet your educational needs. The Ross Learning Center is the next step in the ongoing commitment at Ross to excellence in education for health care professionals.

### [www.e-Ross.com](http://www.e-Ross.com)

This e-commerce tool links direct-purchase customers and Ross with faster invoicing and order confirmation 24 hours a day, 7 days a week. Previous orders can be repeated and changes made without re-keying. Invoices can be paid by Electronic Funds Transfer (EFT), a quick, convenient tool that has PIN-protected bank account information, e-mail notification of open invoices, extended payment terms, and online credit memos.

### [www.Glucerna.com](http://www.Glucerna.com)

This site is designed to help patients with diabetes better manage their diabetes. In addition to helpful information about nutrition, lifestyle, and monitoring, visitors can register for various programs. One is a monthly e-newsletter, *In Control™*, that provides up-to-date nutrition information along with recipes, lifestyle and fitness tips, and, periodically, high-value coupons toward the purchase of Glucerna® products.

### **www.DiabetesControlForLife.com**

This site's most significant feature is the opportunity to participate in a complete diabetes management program. After completing a lifestyle questionnaire, a patient receives a customized program including meal plans, physical activity plans, weekly behavior modification encouragement, shopping lists, diabetes logs and journals, and more. One choice is a structured 24-week weight-loss and diabetes-management program that includes the opportunity to chat live with a licensed dietitian on staff at Ross. Or, the patient can simply choose to use the meal plans, fitness plans, and logs/journals. All of these programs are completely free of charge.

### **www.Ensure.com**

This site is designed to help people learn more about Ensure® products and making smart choices about nutrition and lifestyle. Patients are offered the opportunity to chat live with a Ross dietitian, Monday through Friday, 8:30 AM to 5 PM Eastern time. Outside those hours, patients are encouraged to e-mail their questions for response within 24 hours. Patients can register for the monthly *Ensure*

*Health Connection*® e-newsletter. Each newsletter contains helpful information on nutrition, physical activity, and general lifestyle tips, and occasional e-coupons toward the purchase of Ensure products. The site also offers a variety of healthful recipes and other offers or gifts.

### **www.ProSure.com**

Information on a Ross product for oncology patients with cancer-related weight loss. This site explains the science of ProSure® Shake, and includes a Q&A section, serving suggestions, and recipes. In addition, references for clinical studies on ProSure Shake and a clinical Q&A section are offered to health care professionals.

### **www.Rosstore.com**

Patients can purchase Ross adult and pediatric nutritional products on this site for convenient home delivery. This is an excellent source for those hard-to-find specialty products. Note: This site is not to be used to order products for resale or institutional use.



## **Ross Web Sites, cont.**

### **www.PediaSure.com**

This site offers parents useful nutrition facts and information about PediaSure®; provides recipes and fun nutrition facts for children; and provides tube-feeding information for the PediaSure Enteral Formulas.

### **www.Juven.com**

Learn about Juven®, a unique nutritional supplement containing a patented blend of arginine, glutamine, and HMB clinically shown to rejuvenate muscle.

### **www.PediaLyte.com**

This site provides information on PediaLyte®, the #1 pediatrician-recommended oral electrolyte maintenance solution that reduces the risk of dehydration due to diarrhea or vomiting. “Don’t Wait, Rehydrate.”

### **www.RossPediatrics.com**

For pediatric and neonatal physicians, dietitians, nurses, nurse practitioners, and residents. This site provides the most up-to-date Ross news on pediatric nutrition, research, products, and services, as well as resident resources and valuable practice tools.

### **www.Survanta.com**

This site provides information for both parents and family members of premature infants who have received Survanta® or have been diagnosed with respiratory distress syndrome (RDS). A section of the site is dedicated to providing health care professionals with clinical and product information related to Survanta and treatment of RDS.

### **www.WelcomeAddition.com**

A site for new and expectant parents, featuring comprehensive information about pregnancy and baby’s first year. Parent can sign up for the Similac® Welcome Addition Club® here and also learn more about our line of infant formulas.

## **Clinical Education**

HACCP (Hazard Analysis Critical Control Points) in the Clinical Setting: A systematic approach to identifying, evaluating, and controlling food safety hazards. Preventing Microbial Contamination of Enteral Formulas and Delivery Systems is a proactive, science-based food safety program that applies HACCP principles to the tube-feeding process to ensure microbial safety of tube feedings. Nurses who complete this Ross online self-study program can earn 2.4 contact hours; dietitians can earn 2.0 CPEUs.

Established by the National Advisory Committee on Microbiological Criteria for Foods, HACCP guidelines are based on the following principles: 1) conducting a hazard analysis, 2) determining critical control points (ie, pinpointing areas where microbiological hazards can occur), and 3) establishing critical limits, monitoring procedures, corrective actions, verification procedures, record keeping, and documentation procedures.

## **Continuing Education/Educational In-Services**

A wide variety of education programs that can be presented by your Ross Representative, utilizing Ross literature and/or audiovisuals. Program topics include pressure ulcers, tube feeding, hydration, and nutrition.

## **Ross Enteral Feeding Devices**

Ross offers an extensive assortment of enteral feeding devices (pumps, feeding tubes, and bag sets) to meet a wide variety of enteral feeding needs. Educational and support materials, including literature and videos to instruct clinicians and patients in their proper use and care, are available through your local Ross representative. Additional product information, including pump operating manuals, is located at [www.Ross.com](http://www.Ross.com). For Ross enteral device information and support, contact the Ross Device Call Center at 1-800-231-3330, Monday through Friday between the hours of 8:30 AM and 5 PM ET.

## **Clinical Support Help Line**

Available during business hours (9 AM to 5 PM ET). Upon request, Ross clinical experts can assist health care professionals with medical issues or questions. After calling Ross Consumer Relations at 1-800-227-5767, questions will be referred to the Ross Medical Department. Customers can expect a return phone call within one business day.



## Ross.com

In late 2006, Ross.com will have a new, fresh look. The improved site will offer several new features, including a much improved way for you, the health care professional, to easily find the Ross product that best fits your patient's specific need. You will be able to download patient education materials for any of your patients. The *What's New* section will help you easily keep up with all the innovative changes going on at Ross. The site will continue to offer information about third-party coverage of Ross products.

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ROSS PRODUCTS DIVISION  
ABBOTT LABORATORIES INC.  
COLUMBUS, OH 43215-1724

**ROSS**  
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