Abbott Nutrition

Pediatric Nutrition Product Guide

2009

The nutritional support you need to make every FIRST day the best day possible.

This book belongs to:

StrongBabies™ System by Abbott Nutrition

Abbott
A Promise for Life

Contents

SPECIAL PRODUCTS

METABOLIC PRODUCTS

TODDLERS & CHILDREN

ADDITIONAL PRODUCT INFORMATION

Every effort is made to ensure that all product information is correct at the time of publication. Values listed are subject to change. Please refer to the product label or packaging for the most current ingredient, allergen, and nutrient profile information.

Values listed in the Nutrition Information tables are for liquid products except as noted. Values per liter are calculated from values per 100 Cal. No entry indicates value is not available. Potential Renal Solute Load (PRSL)

PRSL = [Protein (g) x 5.714] + Na (mOsm) + K (mOsm) + Cl (mOsm) + P (mOsm)

A Tradition of Innovation

Abbott Nutrition traces its beginnings to 1903 when Harry C. Moores and Stanley M. Ross founded the Moores & Ross Milk Company in Columbus, Ohio. In the mid 1920's, after their business had been prospering for 20 years, the partners took the innovative step of producing and marketing a new concept—milk-based infant formula.

In the ensuing decades, Abbott Nutrition has continued to advance the science of nutrition, as we learn more about the specialized needs of infants, children, and adults.

Key milestones

1903

- Harry C. Moores and Stanley M. Ross founded the Moores & Ross Milk Company in Columbus, Ohio.

1925

- Moores and Ross took the daring step of producing and marketing milk-based infant formula—a new concept at the time. The product was originally known as Franklin Infant Food.

1927

- Dr. Morris Fishbein, editor of the *Journal of the American Medical Association*, suggested the name of the formula be changed to Similac®.

1928

- The company was renamed M&R Dietetic Laboratories.

1951

- Similac® Concentrated Liquid, the first infant formula available in a form other than powder in the United States, was introduced. It soon became the most popular product in the US infant formula market.

1956

- M&R Dietetic Laboratories created a new division, Ross Laboratories, to continue the development of Similac infant formulas.

1959

- Ross introduced Similac® With Iron, the first iron-fortified infant formula in the United States. It came in both powder and concentrated liquid forms.

1963

- Similac® 20, the first prebottled, presterilized system in the US for feeding babies in hospitals, was introduced.

1964

- Ross merged with Abbott Laboratories, one of the world's largest health care corporations.

1978

- Similac® LBW 24* was introduced to meet the special needs of premature and low-birth-weight infants.

1988

- PediaSure® was introduced to bridge the gap between the specialized feeding needs of infants and adults.
- Similac® Special Care® With Iron was the first iron-fortified formula for premature and low-birth-weight infants introduced in the US.

1994

- Similac® NeoCare®, now Similac® NeoSure®, was introduced as the first formula in the US to address the nutritional needs of premature infants after hospital discharge.

* Denotes product that is no longer available.

1999

- Abbott scientists overcame significant hurdles to introduce Similac® With Iron Ready To Feed formula in a 32-fl-oz aseptic bottle. This design won the Industrial Design Excellence Award the following year.

2002

- Similac® Advance® With Iron, an iron-fortified infant formula supplemented with DHA and ARA, was launched.

2006

- Similac® Organic, the first certified USDA organic infant formula from a major formula brand, was launched.
- Similac® Special Care® 30 was the first to market as a 30-Cal Ready To Feed formula for preterm infants.
- The first convenient mixing system for providing a variety of calorically dense NICU feedings—the Similac® Special Care® Liqui-Mix™ System—was introduced.

2007

- Ross Products changed its name to become Abbott Nutrition.

2008

- Similac® SimplePac™, a significant packaging redesign of infant formula powder containers, was launched. The new package features an innovative "grip-flip-scoop" design.
- Similac Advance EarlyShield™, featuring an exclusive blend of prebiotics, nucleotides, and antioxidants, was launched.

Customer Service and Product Support

For customer assistance and general information, call our toll-free number (800) 227-5767, Monday – Friday, 8:30 a.m. – 5:00 p.m. EST. You may also submit questions or comments on-line at **www.AbbottNutrition.com**. The Abbott Nutrition Consumer Relations Department is staffed with representatives who can address your specific questions.

Nutritional and Pharmaceutical Products

Abbott Nutrition Consumer Relations
625 Cleveland Avenue
Columbus, Ohio 43215-1724
(800) 227-5767

Metabolic Products (Inherited Metabolic Disorders)

For healthcare professionals with nutrition questions
Abbott Nutrition Metabolics Hotline
3300 Stelzer Road
Columbus, Ohio 43219-3034
(800) 986-8755

E-business Customers

E-business Department
625 Cleveland Avenue
Columbus, Ohio 43215-1724
(800) 230-7677

How To Order Abbott Nutrition Products

Hospitals/Institutions

Hospitals and other institutions can order Abbott Nutrition products by calling toll-free, (800) 551-5838, Monday – Friday, 8:30 a.m. – 6:00 p.m. EST.

On-line

Abbott Nutrition products may be ordered on-line at:

- **www.AbbottNutrition.com**
- **www.StrongMoms.com**

Store Locator

The Abbott Nutrition Store Locator will find major retail stores by ZIP code that carry the specific Abbott Nutrition product you would like to purchase. To use this service:

- On **www.AbbottNutrition.com**, click on the Store Locator link in the How To Buy section
- On **www.StrongMoms.com**, click on the Store Locator link

Pharmacist

Abbott Nutrition products may be ordered through a pharmacist.

Home Delivery

Home delivery is a service for customers who have difficulty finding specialty items in stores. We offer two home delivery options:

- Order on-line at **www.AbbottStore.com**
- Call Customer Service at (800) 258-7677, Monday – Friday, 9:00 a.m. – 6:00 p.m. EST

For more information, contact your Abbott Nutrition Sales Representative.

Abbott Nutrition Learning Center

Designed to offer healthcare professionals current information and continuing education opportunities, **www.AbbottNutritionLearningCenter.com** contains:

- Continuing Education programs
- Educational materials, such as booklets and worksheets on a variety of nutritional topics
- A calendar of events of interest to healthcare professionals
- Educational news, such as research highlights and professional conference highlights

Abbott Nutrition

Information helpful to healthcare professionals and consumers regarding pediatric nutritional products can be found at **www.AbbottNutrition.com**:

- Specific product information
- Frequently asked questions
- A 24-hour link to “Ask a Product Expert”
- Information specific to very low-birth-weight babies
- Breastfeeding support information
- Third-party coverage information, including HCPCS product codes and NDC format codes
- Product locator and ordering information
- An educational convention calendar

Strong Moms

Designed for new parents who are looking for information on pregnancy, parenting, and infant nutrition, **www.StrongMoms.com** contains:

- A week-by-week pregnancy guide
- A month-by-month guide to baby's development
- Breastfeeding instruction and Q&A
- Feeding tips and infant formula preparation
- Nutritional information about Abbott Nutrition products
- Discussion boards for moms and dads

Abbott Store

To order Abbott Nutrition products, see **www.AbbottStore.com** for:

- Infant nutrition products
- Therapeutic nutrition products
- Delivery information
- Store locator
- Gift certificates

Indications for Use

Products are listed in alphabetic order, not in order of preference.

Allergy/Milk-Protein Sensitivity

Antibiotic-Induced Diarrhea

Breast Milk Alternative/Supplemental Formulas

Breast Milk Fortification/Nutritional Supplement

Celiac Disease

All Abbott Nutrition pediatric products are gluten-free.

Colic Symptoms (due to protein sensitivity)

Colitis

Dehydration/Oral Hydration

Diarrhea

Disaccharidase Deficiencies

Family History of Allergy

Fat Intolerance/Malabsorption

Fussiness/Gas/Spit-up

Galactosemia

Gluten Intolerance/Sensitivity

All Abbott Nutrition pediatric products are gluten-free.

Halal

Most Abbott Nutrition products are certified Halal. Please see **www.ifanca.org** for more information.

Hypercalcemia

Hypoallergenic

Inborn Errors of Metabolism

Inborn Errors of Metabolism (cont'd)

Kosher

Most Abbott Nutrition products are certified Kosher by Ⓤ-D on packaging.
Please see **www.oukosher.org** for more information.

Lactose Intolerance

Premature/Low-Birth-Weight Infants

Protein Maldigestion

Renal Dysfunction

Seizures Treated with Ketogenic Diet

Toddlers/Children

Recommended Storage Guidelines for Abbott Nutrition Products

- General recommended storage temperatures for Abbott Nutrition sealed infant and pediatric formulas are between 32°F and 95°F. The most desirable temperature range for storage of unopened containers is between 55°F and 75°F. Storage at these temperatures will assure the highest quality product, both aesthetically and nutritionally.
- Prolonged exposure to temperatures below 32°F or to direct heat above 95°F could affect the physical consistency of the product. We do not recommend use of product exposed to adverse temperatures.
- Abbott Nutrition pediatric formula products should not be warmed and then refrigerated.
- Do not freeze Abbott Nutrition pediatric formulas. Freezing can render liquid products unusable.
- Store Abbott Nutrition pediatric powder products in a dry, cool area. Do not store the actual container of powder in the refrigerator.
- Powdered pediatric formula should be used within 1 month after opening.
- Pediatric formula should be poured into individual feeding bottles or cups, capped, and stored in the refrigerator. **Refer to product label for appropriate storage times.**
- Prepared formula should not be left unrefrigerated; once feeding begins, use formula within 1 hour or discard.
- Do not re-use prefilled feeding bottles.

Hangtime for Abbott Nutrition Products

In each healthcare facility, it is important to involve the appropriate professionals in developing procedures for using safe techniques in the preparation and use of tube feedings and in setting quality assurance protocols for monitoring those techniques.

The American Dietetic Association suggests that a hangtime of 4 to 8 hours is acceptable for commercially sterile ready-to-feed products when carefully poured from the container into a tube-feeding setup. This includes Ready To Feed infant formulas, Pedialyte®, PediaSure®, and Vital jr.™ products.

Any feedings that are reconstituted with water or **modified in any way** should be prepared using aseptic technique and **should hang for no more than 4 hours**. This includes concentrated liquid and powder formulas, fortified human milk, and any feedings to which other ingredients are added.

References:

American Dietetic Association: *Infant Feedings: Guidelines for Preparation of Formula and Breastmilk in Health Care Facilities.* Chicago: American Dietetic Association, 2004.

Campbell SM: *Preventing Microbial Contamination of Enteral Formulas and Delivery Systems.* Columbus, Ohio: Abbott Nutrition, Abbott Laboratories, 2003.

Lemons PK: Breast milk and the hospitalized infant: Guideline for practice. *Neonatal Network* 2001;20(7):47-52.

Expiration Dates

The expiration date of Abbott Nutrition products is the first day of the month listed on the product.

- Buy and use the formula by the date shown on the product.
- The vitamin content and the physical stability of the product cannot be guaranteed beyond the “Use By” date because both may degrade with time.

WARNING

- **Never use a microwave to warm mixture.** Serious burns can result.
- Abbott Nutrition products are not intended for parenteral use.

Term Infant Formulas

Similac Advance EarlyShield™

Infant Formula with Iron

Description/Indications

A nutritionally complete, milk-based, iron-fortified infant formula for use as a supplement or alternative to breastfeeding.

Features

- Exclusive EarlyShield® blend of prebiotics, nucleotides and antioxidants—nutrients naturally found in breast milk
  - Prebiotics (GOS)—soften stools to be more like those of the breastfed infant
  - Nucleotides—patented level and blend to help support the developing immune system
  - Antioxidants (carotenoids)—beta-carotene, lutein, and lycopene to help protect cells
- DHA and ARA to help support brain and eye development
- Palm olein oil-free fat blend promotes fat and calcium absorption[1,2]
- Gluten-free
- Kosher, Halal

1. Nelson SE et al. *J Am Coll Nutr* 1998;17:327-332.
2. Nelson SE et al. *Am J Clin Nutr* 1996;64:291-296.

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	53365

Availability: Retail

Size	Container	List No.
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 6 inter ctn/cs; 48 bott/cs	57600
8 fl oz	plastic bottle; 6/carton	58605
32 fl oz	plastic bottle; 6/case	53363
Concentrated Liquid: (40 Cal/fl oz)		
13 fl oz	can; 12/case	56973
Powder: (with measuring scoop)		
12.9 oz (365 g); yields 94 fl oz*	container; 6/case	55957
23.2 oz (658 g); yields 168 fl oz*	container; 6/case	53359
Powder Single Packets:		
0.61 oz (17.4 g); yields 4 fl oz*	packet; 16 pkts/ctn; 6 ctn/case	57938

* At standard density of 20 Cal/fl oz

Preparation

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

READY TO FEED: Do not dilute.

CONCENTRATED LIQUID:
The following table shows the quantity of water to mix with **one 13-fl-oz (384-mL) can of Concentrated Liquid** to arrive at the approximate caloric densities shown. To maintain freshness, pour prepared formula into individual feeding bottles, cap, store in refrigerator, and use within 48 hours.

Similac Advance EarlyShield CONCENTRATED LIQUID Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Concentrated Liquid (fl oz)	Approximate Yield (fl oz)
20 (standard)	13	13	26
22	11	13	24
24	9	13	22
26	7	13	20
27	6	13	19

POWDER:
The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac Advance EarlyShield POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6
26	1.5	1	2
27	4.25	3	5

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 23 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Ingredients

Ready To Feed: Water, Nonfat Milk, Lactose, High Oleic Safflower Oil, Soy Oil, Coconut Oil, Galactooligosaccharides†, Whey Protein Concentrate. **Less than 0.5% of:** C. Cohnii Oil‡, M. Alpina Oil§, Beta-Carotene, Lutein, Lycopene, Ascorbic Acid, Soy Lecithin, Monoglycerides, Potassium Citrate, Calcium Carbonate, Potassium Chloride, Carageenan, Ferrous Sulfate, Magnesium Chloride, Choline Chloride, Choline Bitartrate, Taurine, m-Inositol, Calcium Phosphate, Zinc Sulfate, Potassium Phosphate, d-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, L-Carnitine, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Sodium Chloride, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8580-01) **Contains milk and soy ingredients.**

Concentrated Liquid: Water, Nonfat Milk, Lactose, High Oleic Safflower Oil, Soy Oil, Coconut Oil, Galactooligosaccharides†, Whey Protein Concentrate. **Less then 1.0% of:** C. Cohnii Oil‡, M. Alpina Oil§, Beta-Carotene, Lutein, Lycopene, Ascorbic Acid, Calcium Carbonate, Potassium Citrate, Soy Lecithin, Monoglycerides, Potassium Chloride, Carrageenan, Magnesium Chloride, Ferrous Sulfate, Choline Bitartrate, Choline Chloride, Taurine, Calcium Phosphate, Potassium Phosphate, m-Inositol, Zinc Sulfate, Niacinamide, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, L-Carnitine, Riboflavin, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Sodium Chloride, Potassium Hydroxide and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8537-01) **Contains milk and soy ingredients**.

† Sourced from milk (GOS)
‡ A source of docosahexaenoic acid (DHA)
§ A source of arachidonic acid (ARA)

See next page for nutrition information.

Similac Advance EarlyShield™

Powder: Nonfat Milk, Lactose, High Oleic Safflower Oil, Soy Oil, Coconut Oil, Galactooligosaccharides*, Whey Protein Concentrate. **Less than 2% of:** C. Cohnii Oil†, M. Alpina Oil‡, Beta-Carotene, Lutein, Lycopene, Potassium Citrate, Calcium Carbonate, Ascorbic Acid, Soy Lecithin, Potassium Chloride, Magnesium Chloride, Ferrous Sulfate, Choline Bitartrate, Choline Chloride, Ascorbyl Palmitate, Sodium Chloride, Taurine, m-Inositol, Zinc Sulfate, Mixed Tocopherols, d-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, L-Carnitine, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Calcium Phosphate, Potassium Phosphate, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8575-01) **Contains milk and soy ingredients.**

* Sourced from milk (GOS)

† A source of docosahexaenoic acid (DHA)

‡ A source of arachidonic acid (ARA)

US Patents 5,221,545; 5,416,077; 5,492,899; 5,700,590; 6,136,858; 6,596,767; 7,090,879; D502,108; and D497,551

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.07	14.00
% Total Cal	8	8
Source	Nonfat milk and whey protein concentrate	
Fat, g	5.40	36.5
% Total Cal	49	49
Source	High oleic safflower, soy, and coconut oils (0.15% DHA; 0.40% ARA)	
Oil Ratio	40:30:29	40:30:29
Linoleic Acid, mg	1000	6757
Carbohydrate, g	11.2	75.7
% Total Cal	43	43
Source	Lactose, Galactooligosaccharides (GOS)	
Prebiotic	GOS§	
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	1.5	10.1
Vitamin K, mcg	8	54
Thiamin (Vit B_1), mcg	100	676
Riboflavin (Vit B_2), mcg	150	1014
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.25	1.69
Niacin, mcg	1050	7101
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	450	3043
Biotin, mcg	4.4	29.8
Vitamin C, mg	9	61
Choline, mg	16	108
Inositol, mg	4.7	31.8
Minerals		
Calcium, mg	78	528
Calcium, mEq	3.9	26.3
Phosphorus, mg	42	284
Magnesium, mg	6	41
Iron, mg	1.8	12
Zinc, mg	0.75	5.07
Manganese, mcg	5	34
Copper, mcg	90	609
Iodine, mcg	6	41
Selenium, mcg	1.8	12.2
Sodium, mg	24	162
Sodium, mEq	1.0	7.1
Potassium, mg	105	710
Potassium, mEq	2.7	18.2
Chloride, mg	65	440
Chloride, mEq	1.8	12.4
Other Characteristics		
PRSL, mOsm	18.7	126.7
Water, g	133	899
Osmolality, mOsm/kg H_2O	310	310

§ GOS is approximately 5% of the total carbohydrate and provides approximately 1.3 Cal/g.

Similac® Alimentum®

Hypoallergenic Formula with Iron

Description/Indications

A nutritionally complete, hypoallergenic formula for infants, including those with colic symptoms due to protein sensitivity. A supplemental beverage for children with severe food allergies, sensitivity to intact protein, protein maldigestion, or fat malabsorption.

Features

- Hypoallergenic; contains a predigested protein to virtually eliminate allergic reactions in most babies who are allergic to cow's-milk protein
- Hydrolyzed casein supplemented with free amino acids for infants who are sensitive to or unable to digest intact protein
- Starts reducing colic symptoms due to protein sensitivity in 24 hours in most infants[1‖]
- DHA and ARA to help support brain and eye development
- A unique blend of two carbohydrates using two absorptive pathways to help maximize absorption and minimize malabsorption risks
- Contains oils that have been shown to be well absorbed. Approximately 33% of the fat as medium chain-triglycerides
- Lactose-free carbohydrate for lactose sensitivity
- Gluten-free
- Ready To Feed formula is corn-free

1. Data on file, AC84, August 2004. Abbott Nutrition, Columbus, Ohio.

‖ Based on a clinical study with Alimentum® Ready To Feed without DHA and ARA

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	59738

Availability: Retail

Size	Container	List No.
Ready To Feed: (20 Cal/fl oz)		
8 fl oz	can; 6/case	57508
32 fl oz	plastic bottle; 6/case	57512
Powder: (with measuring scoop)		
16 oz (454 g); yields 115 fl oz¶	container; 6/case	57663

¶At standard density of 20 Cal/fl oz

Similac® Alimentum®

Preparation

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

READY TO FEED: Do not dilute.

POWDER:

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac Alimentum POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6
26	1.5	1	2
27	4.25	3	5

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (118 g)** to 27 fl oz of water. Yields approximately 30 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Ingredients

Ready To Feed: 87% Water, 4.4% Sugar (Sucrose), 2.3% Casein Hydrolysate (derived from milk), 2.2% Modified Tapioca Starch, 1.4% Safflower Oil, 1.3% Medium Chain Triglycerides, 1.1% Soy Oil. **Less than 0.5% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Citrate, Calcium Phosphate, Carrageenan, Potassium Phosphate, Ascorbic Acid, Magnesium Chloride, Calcium Hydroxide, Potassium Citrate, Sodium Chloride, L-Cystine Dihydrochloride, Potassium Chloride, L-Tyrosine, Choline Chloride, L-Tryptophan, Ferrous Sulfate, Taurine, m-Inositol, Zinc Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Niacinamide, Calcium Pantothenate, Cupric Sulfate, Riboflavin, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Potassium Hydroxide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3 and Cyanocobalamin. (FAN 9388-01)

Powder: 35.5% Corn Maltodextrin, 17.5% Casein Hydrolysate (derived from milk), 14.5% Sugar (Sucrose), 9.7% High Oleic Safflower Oil, 9.5% Medium Chain Triglycerides, 8.0% Soy Oil. **Less than 2% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Phosphate, DATEM, Potassium Citrate, Xanthan Gum, Magnesium Chloride, Monoglycerides, Sodium Chloride, Ascorbic Acid, L-Cystine Dihydrochloride, Calcium Carbonate, L-Tyrosine, Potassium Chloride, Choline Chloride, Ferrous Sulfate, L-Tryptophan, Taurine, m-Inositol, Ascorbyl Palmitate, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, L-Carnitine, Niacinamide, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Potassium Hydroxide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3 and Cyanocobalamin. (FAN 8226-01)

* A source of docosahexaenoic acid (DHA)

† A source of arachidonic acid (ARA)

US Patents 5,221,545; 5,234,702; 6,365,218; 5,456,926; D419,455; and D416,801

Similac® Alimentum®

Nutrition Information		
	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein equivalent, g	2.75	18.6
% Total Cal	11	11
Source	Casein hydrolysate, L-cystine, L-tyrosine, L-tryptophan	
Fat, g	5.54	37.47
% Total Cal	48	48
Source	Safflower oil, medium chain triglycerides, and soy oil (0.15% DHA; 0.40% ARA)	
Oil Ratio	38:33:28	38:33:28
Linoleic Acid, mg	1900	12,850
Carbohydrate, g	10.2	69.0
% Total Cal	41	41
Source	Sugar, modified tapioca starch	
Ratio	70:30	70:30
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	45	304
Vitamin E, IU	3.0	20.3
Vitamin K, mcg	15	101
Thiamin (Vit B_1), mcg	60	406
Riboflavin (Vit B_2), mcg	90	609
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.45	3.04
Niacin, mcg	1350	9130
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	750	5072
Biotin, mcg	4.5	30.4
Vitamin C, mg	9.0	61
Choline, mg	12	81
Inositol, mg	5	33.8
Minerals		
Calcium, mg	105	710
Calcium, mEq	5.2	35.4
Phosphorus, mg	75	507
Magnesium, mg	7.5	50.7
Iron, mg	1.8	12.17
Zinc, mg	0.75	5.07
Manganese, mcg	8	54
Copper, mcg	75	507
Iodine, mcg	15	101
Selenium, mcg	1.8	12.2
Sodium, mg	44	298
Sodium, mEq	1.9	12.9
Potassium, mg	118	798
Potassium, mEq	3.0	20.3
Chloride, mg	80	541
Chloride, mEq	2.3	15.5
Other Characteristics		
PRSL, mOsm	25.3	171.3
Water, g	133	899
Osmolality, mOsm/kg H_2O	370	370

Similac® Isomil® Advance®

Soy Formula with Iron

Description/Indications

A nutritionally complete, soy-based, iron-fortified formula for infants with feeding problems such as fussiness, gas, and spit-up; for infants whose parents choose a milk-free formula as a first feeding or as a supplement to breastfeeding; and for infants of vegetarian families. A lactose-free feeding for patients with disorders for which lactose should be avoided, including lactase deficiency, lactose intolerance, and galactosemia.

Features

- Easy-to-digest soy protein-based formula for common feeding problems such as fussiness, gas, and spit-up
- The only soy formula clinically shown to help support the developing immune system, similar to infants fed breast milk/milk-based formula*
- DHA and ARA to help support brain and eye development
- Supports excellent growth during baby's first year
- Milk protein-free to help manage IgE-mediated cow's milk protein allergy or sensitivity
- Provides greater calcium absorption than ProSobee® LIPIL®† for baby's growing bones
- A unique blend of two carbohydrates using two absorptive pathways to help maximize absorption and minimize malabsorption risks
- Lactose-free to help manage diarrhea
- Gluten-free
- Low osmolality (200 mOsm/kg water)
- Kosher, Halal

Precaution

- Soy formulas are not recommended for premature infants with birth weights less than 1800 g

*Exclusively breastfed for at least 2 months and weaned to milk-based formula without added nucleotides.

†Infant calcium absorption study compared Similac® Isomil® to ProSobee. Similac Isomil and Similac Isomil Advance have the same composition except for the addition of DHA and ARA. Calcium absorption was measured as an average percent of intake.

ProSobee and LIPIL are not registered trademarks of Abbott Laboratories.

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	56980

Availability: Retail

Size	Container	List No.
Ready To Feed:		
2 fl oz	plastic bottle; 6 inter ctn/cs; 48 bott/cs	58203
8 fl oz	plastic bottle; 6/carton	58601
32 fl oz	plastic bottle; 6/case	55967
Concentrated Liquid: (40 Cal/fl oz)		
13 fl oz	can; 12/case	56975

Powder: (with measuring scoop)
12.9 oz (365 g); yields 94 fl oz‡ . . . . container; 6/case. 55963
23.2 oz (657 g); yields 169 fl oz‡ . . . container; 6/case. 50819

Powder Single Packets:
0.61 oz (17.4 g); yields 4 fl oz‡ . . . . packet; 16 pkt/ctn; 6 ctn/case 56982

‡ At standard density of 20 Cal/fl oz

Preparation

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4- Cal/fl oz increments.

READY TO FEED: Do not dilute.

CONCENTRATED LIQUID:
The following table shows the quantity of water to mix with **one 13-fl-oz (384-mL) can of Concentrated Liquid** to arrive at the approximate caloric densities shown. To maintain freshness, pour prepared formula into individual feeding bottles, cap, store in refrigerator, and use within 48 hours.

Similac Isomil Advance CONCENTRATED LIQUID Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Concentrated Liquid (fl oz)	Approximate Yield (fl oz)
20 (standard)	13	13	26
22	11	13	24
24	9	13	22
26	7	13	20
27	6	13	19

POWDER:
The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac Isomil Advance POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6
26	1.5	1	2
27	4.25	3	5

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 23 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Ingredients

Ready To Feed: 86% Water, 6.6% Corn Syrup, 1.9% Soy Protein Isolate, 1.4% High Oleic Safflower Oil, 1.3% Sugar (Sucrose), 1.1% Soy Oil, 1.0% Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil[§], M. Alpina Oil[‖], Calcium Citrate, Potassium Citrate, Calcium Phosphate, Potassium Phosphate, Potassium Chloride, Monoglycerides, Soy Lecithin, Magnesium Chloride, Carrageenan, Sodium Chloride, Ascorbic Acid, Choline Chloride, L-Methionine, Taurine, Ferrous Sulfate, m-Inositol, Zinc Sulfate, d-Alpha-Tocopheryl Acetate, L-Carnitine, Niacinamide, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Beta-Carotene, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Potassium Hydroxide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3 and Cyanocobalamin. (FAN 8226-01) **Contains soy ingredients.**

Concentrated Liquid: 73.1% Water, 11.8% Corn Syrup, 3.6% Soy Protein Isolate, 2.7% High Oleic Safflower Oil, 2.3% Sugar (Surcose), 2.1% Soy Oil, 2.1% Coconut Oil, 1.0% Starch. **Less than 1.0% of:** C. Cohnii Oil[§], M. Alpina Oil[‖], Calcium Phosphate, Potassium Citrate, Potassium Chloride, Monoglycerides, Soy Lecithin, Magnesium Chloride, Carrageenan, Sodium Chloride, Ascorbic Acid, Choline Chloride, L-Methionine, Taurine, Ferrous Sulfate, m-Inositol, Zinc Sulfate, d-Alpha-Tocopheryl Acetate, L-Carnitine, Niacinamide, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Beta-Carotene, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Potassium Hydroxide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3 and Cyanocobalamin. (FAN 8368-01) **Contains soy ingredients.**

§ A source of docosahexaenoic acid (DHA)
‖ A source of arachidonic acid (ARA)

See next page for nutrition information.

Similac® Isomil® Advance®

Powder: 43.3% Corn Syrup Solids, 14.7% Soy Protein Isolate, 11.5% High Oleic Safflower Oil, 10.3% Sugar (Sucrose), 8.4% Soy Oil, 7.8% Coconut Oil. **Less than 2% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Phosphate, Potassium Citrate, Potassium Chloride, Magnesium Chloride, Sodium Chloride, Ascorbic Acid, Choline Chloride, L-Methionine, Taurine, Ascorbyl Palmitate, Ferrous Sulfate, m-Inositol, Mixed Tocopherols, Zinc Sulfate, d-Alpha-Tocopheryl Acetate, L-Carnitine, Niacinamide, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Potassium Hydroxide, Phylloquinone, Biotin, Sodium Selenate, Beta-Carotene, Vitamin D_3 and Cyanocobalamin. (FAN 8361-02) **Contains soy ingredients.**

*A source of docosahexaenoic acid (DHA)

†A source of arachidonic acid (ARA)

US Patents 5,221,545; 6,136,858; 6,596,767; D419,455; and D416,801 (Ready To Feed)

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.45	16.57
% Total Cal	10	10
Source	Soy protein isolate, L-methionine	
Fat, g	5.46	36.93
% Total Cal	49	49
Source	High oleic safflower, soy, and coconut oils (0.15% DHA, 0.40% ARA)	
Oil Ratio	41:30:29	41:30:29
Linoleic Acid, mg	1000	6763
Carbohydrate, g	10.3	69.7
% Total Cal	41	41
Source	Corn syrup solids, sugar	
Ratio	80:20	80:20
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	1.5	10.1
Vitamin K, mcg	11	74
Thiamin (Vit B_1), mcg	60	406
Riboflavin (Vit B_2), mcg	90	609
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.45	3.04
Niacin, mcg	1350	9130
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	750	5072
Biotin, mcg	4.5	30.4
Vitamin C, mg	9	61
Choline, mg	12	81
Inositol, mg	5.0	33.8
Minerals		
Calcium, mg	105	710
Calcium, mEq	5.2	35.4
Phosphorus, mg	75	507
Magnesium, mg	7.5	50.7
Iron, mg	1.8	12.2
Zinc, mg	0.75	5.07
Manganese, mcg	25	169
Copper, mcg	75	507
Iodine, mcg	15	101
Selenium, mcg	1.8	12.2
Sodium, mg	44	298
Sodium, mEq	1.9	12.9
Potassium, mg	108	730
Potassium, mEq	2.8	18.7
Chloride, mg	62	419
Chloride, mEq	1.8	11.8
Other Characteristics		
PRSL, mOsm	22.8	154.5
Water, g	133	899
Osmolality, mOsm/kg H_2O	200	200

Similac® Organic

Infant Formula with Iron

Description/Indications

A nutritionally complete, organic, milk-based, iron-fortified infant formula for use as a supplement or alternative to breastfeeding.

Features

- Unique blend of organic nonfat milk, organic maltodextrin, and organic sugar from evaporated cane juice
- DHA and ARA to help support brain and eye development
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- Has calcium to help build strong bones
- Palm olein oil-free fat blend promotes fat and calcium absorption[1,2]
- Gluten-free
- Kosher, Halal

1. Nelson SE et al. *J Am Coll Nutr* 1998;17:327-332.
2. Nelson SE et al. *Am J Clin Nutr* 1996;64:291-296.

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	59886

Availability: Retail

Size	Container	List No.
Ready To Feed:		
32 fl oz	plastic bottle; 6/case	59883
Powder: (with measuring scoop)		
12.9 oz (365 g); yields 95 fl oz‡	container; 6/case	59543
23.2 oz (657 g); yields 170 fl oz‡	container; 6/case	50821

‡ At standard density of 20 Cal/fl oz

Similac® Organic

Preparation

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

READY TO FEED: Do not dilute.

POWDER:

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac Organic POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6
26	1.5	1	2
27	4.25	3	5

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 23 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Ingredients

Ready To Feed: Water, Organic Nonfat Milk, Organic Maltodextrin, Organic Sugar from Evaporated Cane Juice, Organic High Oleic Sunflower Oil, Organic Soy Oil, Organic Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil*, M. Alpina Oil†, Potassium Citrate, Calcium Carbonate, Ascorbic Acid, Soy Lecithin, Carrageenan, Magnesium Chloride, Sodium Chloride, Ferrous Sulfate, Choline Chloride, Choline Bitartrate, Taurine, m-Inositol, d-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Niacinamide, Calcium Pantothenate, Riboflavin, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Potassium Iodide, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8195-01) **Contains milk and soy ingredients.**

Powder: Organic Nonfat Milk, Organic Maltodextrin, Organic Sugar from Evaporated Cane Juice, Organic High Oleic Sunflower Oil, Organic Soy Oil, Organic Coconut Oil. **Less than 2% of:** C. Cohnii Oil*, M. Alpina Oil†, Potassium Citrate, Soy Lecithin, Calcium Carbonate, Ascorbic Acid, Magnesium Chloride, Sodium Chloride, Ferrous Sulfate, Choline Chloride, Choline Bitartrate, Ascorbyl Palmitate, Taurine, m-Inositol, Zinc Sulfate, Mixed Tocopherols, d-Alpha-Tocopheryl Acetate, Niacinamide, Calcium Pantothenate, L-Carnitine, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Beta-Carotene, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Iodine, Potassium Hydroxide, and Nucleotides (Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate, Adenosine 5'-Monophosphate). (FAN 8186-01) **Contains milk and soy ingredients.**

*A source of docosahexaenoic acid (DHA)

†A source of arachidonic acid (ARA)

US Patents 5,221,545; 5,492,899; 5,700,590; and 6,136,858

Similac® Organic

Nutrition Information		
	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.07	14.0
% Total Cal	8	8
Source	Organic nonfat milk	
Fat, g	5.49	37.1
% Total Cal	49	49
Source	Organic high oleic sunflower, organic soy, and organic coconut oils (0.15% DHA, 0.40% ARA)	
Oil Ratio	40:30:29	40:30:29
Linoleic Acid, mg	860	5816
Carbohydrate, g	10.56	71.4
% Total Cal	42	42
Source	Organic corn maltodextrin, organic lactose, organic sugar	
Ratio	46:27:27	46:27:27
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	1.5	10.1
Vitamin K, mcg	8	54
Thiamin (Vit B_1), mcg	100	676
Riboflavin (Vit B_2), mcg	150	1014
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.25	1.69
Niacin, mcg	1050	7101
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	450	3043
Biotin, mcg	4.4	29.8
Vitamin C, mg	9	61
Choline, mg	16	108
Inositol, mg	4.7	31.8
Minerals		
Calcium, mg	78	528
Calcium, mEq	3.9	26.3
Phosphorus, mg	42	284
Magnesium, mg	6	41
Iron, mg	1.8	12.2
Zinc, mg	0.75	5.07
Manganese, mcg	5	34
Copper, mcg	90	609
Iodine, mcg	6	41
Selenium, mcg	1.8	12.2
Sodium, mg	24	162
Sodium, mEq	1.0	7.1
Potassium, mg	105	710
Potassium, mEq	2.7	18.1
Chloride, mg	65	439
Chloride, mEq	1.8	12.4
Other Characteristics		
PRSL, mOsm	18.8	126.8
Water, g	133	899
Osmolality, mOsm/kg H_2O	225	225

Similac Sensitive®

Infant Formula with Iron

Description/Indications

A nutritionally complete, lactose-free infant feeding that is an alternative to standard milk-based formulas for mild tolerance symptoms such as fussiness and gas due to lactose sensitivity.

Features

- Easy to digest milk-based formula for fussiness and gas due to lactose sensitivity
- Clinically shown to support normal infant growth
- A unique blend of two carbohydrates to help maximize absorption and minimize malabsorption risks
- Lactose-free formulation to help avoid common symptoms of lactose sensitivity such as diarrhea, gas, bloating, and stomach cramps
- DHA and ARA to help support brain and eye development
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- Unique (palm olein-free) fat blend to help enhance calcium absorption for growing bones
- Low osmolality (200 mOsm/kg water)
- Gluten-free
- Kosher, Halal

Precaution

- Not intended for use by infants or children with galactosemia

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	59742

Availability: Retail

Size	Container	List No.
Ready To Feed:		
8 fl oz	plastic bottle; 6/carton	53676
32 fl oz	plastic bottle; 6/case	57533
Concentrated Liquid: (40 Cal/fl oz)		
13 fl oz	can; 12/case	57535
Powder: (with measuring scoop)		
12.9 oz (365 g); yields 94 fl oz*	container; 6/case	57539
23.2 oz (657 g); yields 168 fl oz*	container; 6/case	50817

*At standard density of 20 Cal/fl oz

Preparation

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

READY TO FEED: Do not dilute.

CONCENTRATED LIQUID:

The following table shows the quantity of water to mix with **one 13-fl-oz (384-mL) can of Concentrated Liquid** to arrive at the approximate caloric densities shown. To maintain freshness, pour prepared formula into individual feeding bottles, cap, store in refrigerator, and use within 48 hours.

Similac Sensitive CONCENTRATED LIQUID Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Concentrated Liquid (fl oz)	Approximate Yield (fl oz)
20 (standard)	13	13	26
22	11	13	24
24	9	13	22
26	7	13	20
27	6	13	19

POWDER:

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac Sensitive POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6
26	1.5	1	2
27	4.25	3	5

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 23 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Ingredients

Ready To Feed: Water, Corn Maltodextrin, Sugar (Sucrose), Milk Protein Isolate, High Oleic Safflower Oil, Soy Oil, Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil†, M. Alpina Oil‡, Calcium Phosphate, Potassium Citrate, Potassium Chloride, Carrageenan, Sodium Citrate, Monoglycerides, Soy Lecithin, Magnesium Chloride, Ascorbic Acid, Calcium Carbonate, Magnesium Phosphate, Choline Chloride, Ferrous Sulfate, Choline Bitartrate, Taurine, m-Inositol, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, L-Carnitine, Niacinamide, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Manganese Sulfate, Potassium Iodide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8250-01) **Contains milk and soy ingredients.**

Concentrated Liquid: Water, Corn Maltodextrin, Sugar (Surcose), Milk Protein Isolate, High Oleic Safflower Oil, Soy Oil, Coconut Oil. **Less than 1% of:** C. Cohnii Oil†, M. Alpina Oil‡, Calcium Phosphate, Potassium Citrate, Modified Cornstarch, Potassium Chloride, Magnesium Chloride, Monoglycerides, Soy Lecithin, Carrageenan, Calcium Carbonate, Ascorbic Acid, Choline Chloride, Sodium Chloride, Ferrous Sulfate, Choline Bitartrate, Taurine, m-Inositol, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, L-Carnitine, Niacinamide, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Manganese Sulfate, Potassium Iodide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8358-01) **Contains milk and soy ingredients.**

†A source of docosahexaenoic acid (DHA)

‡A source of arachidonic acid (ARA)

See next page for nutrition information.

Similac Sensitive®

Powder: Corn Syrup Solids, Sugar (Sucrose), Milk Protein Isolate, High Oleic Safflower Oil, Coconut Oil, Soy Oil. **Less than 2% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Phosphate, Potassium Citrate, Potassium Chloride, Sodium Citrate, Magnesium Phosphate, Ascorbic Acid, Calcium Carbonate, Choline Chloride, Ferrous Sulfate, Magnesium Chloride, Ascorbyl Palmitate, Choline Bitartrate, Taurine, m-Inositol, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, Mixed Tocopherols, L-Carnitine, Niacinamide, Calcium Pantothenate, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Manganese Sulfate, Potassium Iodide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8361-01) **Contains milk ingredients.**

*A source of docosahexaenoic acid (DHA)

†A source of arachidonic acid (ARA)

US Patents 5,221,545; 5,416,077; 6,136,858; 5,492,899; 5,700,590; 6,596,767; D416,801; and D419,455

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.14	14.47
% Total Cal	9	9
Source	Milk protein isolate	
Fat, g	5.40	36.52
% Total Cal	49	49
Source	High oleic safflower, soy, and coconut oils (0.15% DHA, 0.40% ARA)	
Oil Ratio	40:30:29	40:30:29
Linoleic Acid, mg	1000	6763
Carbohydrate, g	10.7	72.4
% Total Cal	43	43
Source	Corn maltodextrin, sugar	
Ratio	55:45	55:45
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	3.0	20.3
Vitamin K, mcg	8	54
Thiamin (Vit B_1), mcg	100	676
Riboflavin (Vit B_2), mcg	150	1014
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.25	1.69
Niacin, mcg	1050	7101
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	450	3043
Biotin, mcg	4.4	29.8
Vitamin C, mg	9	61
Choline, mg	16	108
Inositol, mg	4.3	29.1
Minerals		
Calcium, mg	84	568
Calcium, mEq	4.2	28.3
Phosphorus, mg	56	379
Magnesium, mg	6.0	40.6
Iron, mg	1.8	12.2
Zinc, mg	0.75	5.07
Manganese, mcg	5	34
Copper, mcg	90	609
Iodine, mcg	9	61
Selenium, mcg	1.8	12.2
Sodium, mg	30	203
Sodium, mEq	1.3	8.8
Potassium, mg	107	724
Potassium, mEq	2.7	18.5
Chloride, mg	65	440
Chloride, mEq	1.8	12.4
Other Characteristics		
PRSL, mOsm	19.9	134.7
Water, g	133	899
Osmolality, mOsm/kg H_2O	200	200

Similac Sensitive® R.S.

Infant Formula with Iron

Description/Indications

A nutritionally complete, milk-based infant formula with added rice starch to help reduce frequent spit-up. Milk-based, lactose-free formula for fussiness and gas due to lactose sensitivity.

Features

- Easy to digest milk-based, lactose-free formula with added rice starch
- Clinically shown to reduce frequent spit-up in healthy babies by 54%[1‡]
- Clinically shown to support normal infant growth
- DHA and ARA to help support brain and eye development
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- Unique (palm olein-free) fat blend to help enhance calcium absorption for growing bones
- Gluten-free
- Kosher, Halal

Precaution

- Not intended for use by infants or children with galactosemia

1. Data on file, AJ68, May 2007. Abbott Nutrition, Columbus, Ohio.

‡ Among healthy 2-month-old infants compared to a standard formula.

Availability

Size	Container	List No.
Ready To Feed: (20 Cal/fl oz)		
32 fl oz	plastic bottle; 6/case	56728
Powder: (with measuring scoop)		
12.9 oz (365 g); yields 93 fl oz§	container; 6/case	50959
23.2 oz (657 g); yields 168 fl oz§	container; 6/case	53729

§ At standard density of 20 Cal/fl oz

Similac Sensitive® R.S.

Preparation

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 24 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

READY TO FEED: Do not dilute.

POWDER:

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac Sensitive R.S. POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 23 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Ingredients

Ready To Feed: Water, Corn Syrup, Rice Starch, Milk Protein Isolate, High Oleic Safflower Oil, Sugar (Sucrose), Soy Oil, Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Phosphate, Potassium Citrate, Potassium Chloride, Carrageenan, Ascorbic Acid, Monoglycerides, Soy Lecithin, Magnesium Chloride, Calcium Carbonate, Potassium Phosphate, Choline Chloride, Ferrous Sulfate, Choline Bitartrate, Taurine, m-Inositol, dl-Alpha-Tocopheryl Acetate, Zinc Sulfate, L-Carnitine, Niacinamide, Calcium Pantothenate, Riboflavin, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8479-02) **Contains milk and soy ingredients.**

Powder: Corn Syrup Solids, Rice Starch, Milk Protein Isolate, High Oleic Safflower Oil, Sugar (Sucrose), Coconut Oil, Soy Oil. **Less than 2% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Phosphate, Potassium Citrate, Potassium Chloride, Potassium Phosphate, Calcium Carbonate, Magnesium Chloride, Ascorbic Acid, L-Cystine Dihydrochloride, Choline Chloride, Ascorbyl Palmitate, Sodium Chloride, Ferrous Sulfate, Choline Bitartrate, Taurine, m-Inositol, dl-Alpha-Tocopheryl Acetate, Mixed Tocopherols, Zinc Sulfate, L-Carnitine, Niacinamide, Calcium Pantothenate, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Potassium Iodide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Gunaosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8388-01) **Contains milk ingredients.**

* A source of docosahexaenoic acid (DHA)

† A source of arachidonic acid (ARA)

US Patents 5,221,545; 5,492,899; 5,416,077; 5,700,590; 6,136,858; 6,596,767; D416,801; and D419,455

Similac Sensitive® R.S.

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.14	14.47
% Total Cal	9	9
Source	Milk protein isolate	
Fat, g	5.4	36.5
% Total Cal	49	49
Source	High oleic safflower, soy, and coconut oils (0.15% DHA, 0.40% ARA)	
Oil Ratio	40:30:29	40:30:29
Linoleic Acid, mg	1000	6760
Carbohydrate, g	10.7	72.4
% Total Cal	43	43
Source	Corn syrup, rice starch, and sugar	
Ratio	50:30:20	50:30:20
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	3.0	20.3
Vitamin K, mcg	8	54
Thiamin (Vit B_1), mcg	100	676
Riboflavin (Vit B_2), mcg	150	1014
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.25	1.7
Niacin, mcg	1050	7101
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	450	3043
Biotin, mcg	4.4	29.8
Vitamin C, mg	9	61
Choline, mg	16	108
Inositol, mg	4.3	29.1
Minerals		
Calcium, mg	84	568
Calcium, mEq	4.2	28.3
Phosphorus, mg	56	379
Magnesium, mg	6.0	40.6
Iron, mg	1.8	12.2
Zinc, mg	0.75	5.1
Manganese, mcg	5	34
Copper, mcg	90	609
Iodine, mcg	9	61
Selenium, mcg	1.8	12.2
Sodium, mg	30	203
Sodium, mEq	1.3	8.8
Potassium, mg	107	724
Potassium, mEq	2.7	18.5
Chloride, mg	65	440
Chloride, mEq	1.8	12.4
Other Characteristics		
PRSL, mOsm	19.9	134.7
Water, g	133	899
Osmolality, mOsm/kg H_2O	180	180

Premature Infant Formulas

Similac® Special Care® 20 With Iron

Premature Infant Formula

Description/Indications

A 20 Cal/fl oz iron-fortified feeding for growing, low-birth-weight infants and premature infants.

Features

- Similac® Special Care® 20 With Iron has a nutrient profile identical to Similac® Special Care® 24 With Iron per 100 Cal
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- DHA and ARA, special nutrients found in breast milk shown to improve visual development in preterm infants
- Provides calcium and phosphorus at concentrations necessary to achieve intrauterine accretion rates
- Provides approximately 2 mg iron/kg body weight per day, when fed at 120 Cal/kg body weight per day
- Gluten-free
- Kosher, Halal

Precautions

- Very low-birth-weight infants are particularly susceptible to gastrointestinal complications; therefore, feeding should be initiated cautiously
- Tolerance to enteral feedings should be confirmed by initially offering small volumes of hypocaloric formula followed by cautious progression to higher caloric feedings. Spitting up, excessive gastric residuals, abdominal distention, abnormal stools or stool patterns, or other signs of intestinal dysfunction have been associated with enteral feeding before the intestinal tract is ready to accommodate the regimen. At the first sign of these problems, enteral feeding should be slowed or discontinued.
- Not intended for feeding low-birth-weight infants after they reach a weight of 3600 g (approximately 8 lb) or as directed by a doctor

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	52418

Preparation

READY TO FEED: Do not dilute unless directed by physician.

Similac® Special Care® 20 With Iron

Ingredients

Ready to Feed: Water, Nonfat Milk, Corn Syrup Solids, Medium Chain Triglycerides, Lactose, Whey Protein Concentrate, Soy Oil, Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Phosphate, Ascorbic Acid, Magnesium Chloride, Soy Lecithin, Monoglycerides, Potassium Citrate, m-Inositol, Carrageenan, Calcium Carbonate, Sodium Citrate, Potassium Hydroxide, Ferrous Sulfate, Choline Bitartrate, Taurine, Niacinamide, Choline Chloride, L-Carnitine, Zinc Sulfate, Potassium Chloride, Sodium Chloride, Potassium Phosphate, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ferrous Sulfate, Vitamin A Palmitate, Cupric Sulfate, Riboflavin, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Manganese Sulfate, Biotin, Phylloquinone, Sodium Selenate, Vitamin D_3, Cyanocobalamin, and Nucleotides (Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate, Adenosine 5'-Monophosphate). (FAN 9388-04) **Contains milk and soy ingredients.**

*A source of docosahexaenoic acid (DHA)

†A source of arachidonic acid (ARA)

US Patents 5,191,975; D332,401; D332,395; D337,271; 4,991,731; 4,981,230; and 4,813,561

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	3.0	20.29
% Total Cal	12	12
Source	Nonfat milk, whey protein concentrate	
Fat, g	5.43	36.72
% Total Cal	47	47
Source	Medium chain triglycerides, soy, and coconut oils (0.25% DHA; 0.40% ARA)	
Oil Ratio	50:30:18	50:30:18
Linoleic Acid, mg	700	4734
Carbohydrate, g	10.3	69.7
% Total Cal	41	41
Source	Corn syrup solids, lactose	
Ratio	50:50	50:50
Vitamins		
Vitamin A, IU	1250	8454
Vitamin D, IU	150	1014
Vitamin E, IU	4.0	27.1
Vitamin K, mcg	12	81.2
Thiamin (Vit B_1), mcg	250	1691
Riboflavin (Vit B_2), mcg	620	4193
Vitamin B_6, mcg	250	1691
Vitamin B_{12}, mcg	0.55	3.72
Niacin, mcg	5000	33,815
Folic Acid, mcg	37	250
Pantothenic Acid, mcg	1900	12,850
Biotin, mcg	37	250
Vitamin C, mg	37	250
Choline, mg	10	68
Inositol, mg	40	271
Minerals		
Calcium, mg	180	1217
Calcium, mEq	9.0	60.7
Phosphorus, mg	100	676
Magnesium, mg	12	81.2
Iron, mg	1.8	12.2
Zinc, mg	1.5	10.14
Manganese, mcg	12	81
Copper, mcg	250	1691
Iodine, mcg	6	41
Selenium, mcg	1.8	12.2
Sodium, mg	43	291
Sodium, mEq	1.9	12.6
Potassium, mg	129	872
Potassium, mEq	3.3	22.3
Chloride, mg	81	548
Chloride, mEq	2.3	15.5
Other Characteristics		
PRSL, mOsm	27.8	188.2
Water, g	133	899
Osmolality, mOsm/kg H_2O	235	235

Similac® Special Care® 20 Low Iron

Premature Infant Formula

Description/Indications

A 20 Cal/fl oz low-iron feeding for growing, low-birth-weight infants and premature infants. Low-iron formula allows for additional iron to be supplied as necessary.

Features

- Similac® Special Care® 20 Low Iron has a nutrient profile identical to Similac® Special Care® 24 Low Iron per 100 Cal
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- DHA and ARA, special nutrients found in breast milk shown to improve visual development in preterm infants
- Provides calcium and phosphorus at concentrations necessary to achieve intrauterine accretion rates
- Gluten-free
- Kosher, Halal

Precautions

- Very low-birth-weight infants are particularly susceptible to gastrointestinal complications; therefore, feeding should be initiated cautiously
- Tolerance to enteral feedings should be confirmed by initially offering small volumes of hypocaloric formula followed by cautious progression to higher caloric feedings. Spitting up, excessive gastric residuals, abdominal distention, abnormal stools or stool patterns, or other signs of intestinal dysfunction have been associated with enteral feeding before the intestinal tract is ready to accommodate the regimen. At the first sign of these problems, enteral feeding should be slowed or discontinued.
- Additional iron may be supplied from other sources as necessary
- Not intended for feeding low-birth-weight infants after they reach a weight of 3600 g (approximately 8 lb) or as directed by a doctor

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	51020

Preparation

READY TO FEED: Do not dilute unless directed by physician.

Similac® Special Care® 20 Low Iron

Ingredients

Ready to Feed: Water, Nonfat Milk, Corn Syrup Solids, Medium Chain Triglycerides, Lactose, Whey Protein Concentrate, Soy Oil, Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Phosphate, Ascorbic Acid, Magnesium Chloride, Soy Lecithin, Monoglycerides, Potassium Citrate, m-Inositol, Carrageenan, Calcium Carbonate, Sodium Citrate, Potassium Hydroxide, Choline Bitartrate, Taurine, Niacinamide, Choline Chloride, L-Carnitine, Zinc Sulfate, Potassium Chloride, Sodium Chloride, Potassium Phosphate, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ferrous Sulfate, Vitamin A Palmitate, Cupric Sulfate, Riboflavin, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Manganese Sulfate, Biotin, Phylloquinone, Sodium Selenate, Vitamin D_3, Cyanocobalamin, and Nucleotides (Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate, Adenosine 5'-Monophosphate). (FAN 9388-07) **Contains milk and soy ingredients.**

*A source of docosahexaenoic acid (DHA)

†A source of arachidonic acid (ARA)

US Patents 5,191,975; D332,401; D332,395; D337,271; 4,991,731; 4,981,230; and 4,813,561

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	3.0	20.29
% Total Cal	12	12
Source	Nonfat milk, whey protein concentrate	
Fat, g	5.43	36.72
% Total Cal	47	47
Source	Medium chain triglycerides, soy, and coconut oils (0.25% DHA; 0.40% ARA)	
Oil Ratio	50:30:18	50:30:18
Linoleic Acid, mg	700	4734
Carbohydrate, g	10.3	69.7
% Total Cal	41	41
Source	Corn syrup solids, lactose	
Ratio	50:50	50:50
Vitamins		
Vitamin A, IU	1250	8454
Vitamin D, IU	150	1014
Vitamin E, IU	4.0	27.1
Vitamin K, mcg	12	81.2
Thiamin (Vit B_1), mcg	250	1691
Riboflavin (Vit B_2), mcg	620	4193
Vitamin B_6, mcg	250	1691
Vitamin B_{12}, mcg	0.55	3.72
Niacin, mcg	5000	33,815
Folic Acid, mcg	37	250
Pantothenic Acid, mcg	1900	12,850
Biotin, mcg	37	250
Vitamin C, mg	37	250
Choline, mg	10	68
Inositol, mg	40	271
Minerals		
Calcium, mg	180	1217
Calcium, mEq	9.0	60.7
Phosphorus, mg	100	676
Magnesium, mg	12	81.2
Iron, mg	0.37	2.5
Zinc, mg	1.5	10.1
Manganese, mcg	12	81
Copper, mcg	250	1691
Iodine, mcg	6	41
Selenium, mcg	1.8	12.2
Sodium, mg	43	291
Sodium, mEq	1.9	12.6
Potassium, mg	129	872
Potassium, mEq	3.3	22.3
Chloride, mg	81	548
Chloride, mEq	2.3	15.5
Other Characteristics		
PRSL, mOsm	27.8	188.2
Water, g	133	899
Osmolality, mOsm/kg H_2O	235	235

Similac® Special Care® 24 With Iron

Premature Infant Formula

Description/Indications

A 24 Cal/fl oz iron-fortified feeding for growing, low-birth-weight infants and premature infants.

Features

- Similac® Special Care® 24 With Iron is clinically shown to improve early language and visual development and body composition.[1,2*†‡]
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- DHA and ARA, special nutrients found in breast milk shown to improve visual development in preterm infants
- Provides calcium and phosphorus at concentrations necessary to achieve intrauterine accretion rates
- Provides approximately 2 mg iron/kg body weight per day, when fed at 120 Cal/kg body weight per day
- Gluten-free
- Kosher, Halal

Precautions

- Very low-birth-weight infants are particularly susceptible to gastrointestinal complications; therefore, feeding should be initiated cautiously
- Tolerance to enteral feedings should be confirmed by initially offering small volumes of hypocaloric formula followed by cautious progression to higher caloric feedings. Spitting up, excessive gastric residuals, abdominal distention, abnormal stools or stool patterns, or other signs of intestinal dysfunction have been associated with enteral feeding before the intestinal tract is ready to accommodate the regimen. At the first sign of these problems, enteral feeding should be slowed or discontinued.
- Not intended for feeding low-birth-weight infants after they reach a weight of 3600 g (approximately 8 lb) or as directed by a doctor

1. O'Connor DL et al. *Pediatrics* 2001;108:359-371.
2. Groh-Wargo S et al. *Pediatr Res* 2005;57:712-718.

*Based on a subset of infants fed formula with DHA and ARA in a post-hoc analysis of English-speaking singleton premature infants using the MacArthur Communicative Developmental Inventories.

†Visual acuity measured at 4 and 6 months corrected age, and assessed by Visual Evoked Potential (VEP).

‡Defined as being more similar to the body composition of a normal fetus of the same postmenstrual age.

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (24 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	51024

Availability: Retail

Size	Container	List No.
Ready To Feed: (24 Cal/fl oz)		
2 fl oz	plastic bottle; 6 inter ctn/cs; 48 bott/cs	59582

Preparation

READY TO FEED: Do not dilute unless directed by physician. Can be mixed to a variety of caloric densities using the **Similac® Special Care® Liqui-Mix™ System** (see pages 48–51). Follow physician's instructions.

Similac® Special Care® 24 With Iron

Ingredients

Ready To Feed: Water, Nonfat Milk, Corn Syrup Solids, Medium Chain Triglycerides, Lactose, Whey Protein Concentrate, Soy Oil, Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil[§], M. Alpina Oil[‖], Calcium Phosphate, Ascorbic Acid, Potassium Citrate, Calcium Carbonate, Soy Lecithin, Monoglycerides, Magnesium Chloride, m-Inositol, Sodium Citrate, Carrageenan, Potassium Hydroxide, Ferrous Sulfate, Choline Bitartrate, Taurine, Niacinamide, Choline Chloride, L-Carnitine, Zinc Sulfate, Potassium Chloride, Sodium Chloride, Potassium Phosphate, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Vitamin A Palmitate, Cupric Sulfate, Riboflavin, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Manganese Sulfate, Biotin, Phylloquinone, Sodium Selenate, Vitamin D_3, Cyanocobalamin, and Nucleotides (Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'- Monophosphate, Adenosine 5'-Monophosphate). (FAN 9388-05) **Contains milk and soy ingredients.**

[§]A source of docosahexaenoic acid (DHA)

[‖]A source of arachidonic acid (ARA)

US Patents 5,191,975; D332,401; D332,395; D337,271; 4,991,731; 4,981,230; and 4,813,561

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	812
Volume, mL	124	1000
Protein, g	3.0	24.34
% Total Cal	12	12
Source	Nonfat milk, whey protein concentrate	
Fat, g	5.43	44.07
% Total Cal	47	47
Source	Medium chain triglycerides, soy, and coconut oils (0.25% DHA; 0.40% ARA)	
Oil Ratio	50:30:18	50:30:18
Linoleic Acid, mg	700	5681
Carbohydrate, g	10.3	83.6
% Total Cal	41	41
Source	Corn syrup solids, lactose	
Ratio	50:50	50:50
Vitamins		
Vitamin A, IU	1250	10,144
Vitamin D, IU	150	1217
Vitamin E, IU	4.0	32.5
Vitamin K, mcg	12	97.4
Thiamin (Vit B_1), mcg	250	2029
Riboflavin (Vit B_2), mcg	620	5032
Vitamin B_6, mcg	250	2029
Vitamin B_{12}, mcg	0.55	4.46
Niacin, mcg	5000	40,578
Folic Acid, mcg	37	300
Pantothenic Acid, mcg	1900	15,419
Biotin, mcg	37	300
Vitamin C, mg	37	300
Choline, mg	10	81
Inositol, mg	40	325
Minerals		
Calcium, mg	180	1461
Calcium, mEq	9.0	72.9
Phosphorus, mg	100	812
Magnesium, mg	12	97.4
Iron, mg	1.8	14.6
Zinc, mg	1.5	12.17
Manganese, mcg	12	97
Copper, mcg	250	2029
Iodine, mcg	6	49
Selenium, mcg	1.8	14.6
Sodium, mg	43	349
Sodium, mEq	1.9	15.2
Potassium, mg	129	1047
Potassium, mEq	3.3	26.8
Chloride, mg	81	657
Chloride, mEq	2.3	18.6
Other Characteristics		
PRSL, mOsm	27.8	225.8
Water, g	109	885
Osmolality, mOsm/kg H_2O	280	280

Similac® Special Care® 24 Low Iron

Premature Infant Formula

Description/Indications

A 24 Cal/fl oz low-iron feeding for growing, low-birth-weight infants and premature infants. Low-iron formula allows for additional iron to be supplied as necessary.

Features

- Similac® Special Care® 24 Low Iron has been clinically shown to improve early language and visual development and body composition.[1,2*†‡§]
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- DHA and ARA, special nutrients found in breast milk shown to improve visual development in preterm infants
- Provides calcium and phosphorus at concentrations necessary to achieve intrauterine accretion rates
- Gluten-free
- Kosher, Halal

Precautions

- Very low-birth-weight infants are particularly susceptible to gastrointestinal complications; therefore, feeding should be initiated cautiously
- Tolerance to enteral feedings should be confirmed by initially offering small volumes of hypocaloric formula followed by cautious progression to higher caloric feedings. Spitting up, excessive gastric residuals, abdominal distention, abnormal stools or stool patterns, or other signs of intestinal dysfunction have been associated with enteral feeding before the intestinal tract is ready to accommodate the regimen. At the first sign of these problems, enteral feeding should be slowed or discontinued.
- Additional iron may be supplied from other sources as necessary
- Not intended for feeding low-birth-weight infants after they reach a weight of 3600 g (approximately 8 lb) or as directed by a doctor

1. O'Connor DL et al. *Pediatrics* 2001;108:359-371.
2. Groh-Wargo S et al. *Pediatr Res* 2005;57:712-718.

*The product evaluated in the clinical trials cited herein was Similac® Special Care® (SSC) 24 With Iron. SSC formula nutrients per 100 Cal are identical for all SSC products (with the exception of iron).

†Based on a subset of infants fed formula with DHA and ARA in a post-hoc analysis of English-speaking singleton premature infants using the MacArthur Communicative Developmental Inventories.

‡Visual acuity measured at 4 and 6 months corrected age, and assessed by Visual Evoked Potential (VEP).

§Defined as being more similar to the body composition of a normal fetus of the same postmenstrual age.

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (24 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	51022

Preparation

READY TO FEED: Do not dilute unless directed by physician.

Similac® Special Care® 24 Low Iron

Ingredients

Ready To Feed: Water, Nonfat Milk, Corn Syrup Solids, Medium Chain Triglycerides, Lactose, Whey Protein Concentrate, Soy Oil, Coconut Oil. ;**Less than 0.5% of:** C. Cohnii Oil‖, M. Alpina Oil¶, Calcium Phosphate, Ascorbic Acid, Potassium Citrate, Calcium Carbonate, Soy Lecithin, Monoglycerides, Magnesium Chloride, m-Inositol, Sodium Citrate, Carrageenan, Potassium Hydroxide, Choline Bitartrate, Taurine, Choline Chloride, Niacinamide, L-Carnitine, Zinc Sulfate, Potassium Chloride, Sodium Chloride, Potassium Phosphate, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ferrous Sulfate, Vitamin A Palmitate, Cupric Sulfate, Riboflavin, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Manganese Sulfate, Biotin, Phylloquinone, Sodium Selenate, Vitamin D_3, Cyanocobalamin, and Nucleotides (Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate, Adenosine 5'-Monophosphate). (FAN 9388-06) **Contains milk and soy ingredients.**

‖A source of docosahexaenoic acid (DHA)

¶A source of arachidonic acid (ARA)

US Patents 5,191,975; D332,401; D332,395; D337,271; 4,991,731; 4,981,230; and 4,813,561

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	812
Volume, mL	124	1000
Protein, g	3.0	24.34
% Total Cal	12	12
Source	Nonfat milk, whey protein concentrate	
Fat, g	5.43	44.07
% Total Cal	47	47
Source	Medium chain triglycerides, soy, and coconut oils (0.25% DHA; 0.40% ARA)	
Oil Ratio	50:30:18	50:30:18
Linoleic Acid, mg	700	5681
Carbohydrate, g	10.3	83.6
% Total Cal	41	41
Source	Corn syrup solids, lactose	
Ratio	50:50	50:50
Vitamins		
Vitamin A, IU	1250	10,144
Vitamin D, IU	150	1217
Vitamin E, IU	4.0	32.5
Vitamin K, mcg	12	97.4
Thiamin (Vit B_1), mcg	250	2029
Riboflavin (Vit B_2), mcg	620	5032
Vitamin B_6, mcg	250	2029
Vitamin B_{12}, mcg	0.55	4.46
Niacin, mcg	5000	40,578
Folic Acid, mcg	37	300
Pantothenic Acid, mcg	1900	15,419
Biotin, mcg	37	300
Vitamin C, mg	37	300
Choline, mg	10	81
Inositol, mg	40	325
Minerals		
Calcium, mg	180	1461
Calcium, mEq	9.0	72.9
Phosphorus, mg	100	812
Magnesium, mg	12	97.4
Iron, mg	0.37	3.0
Zinc, mg	1.5	12.17
Manganese, mcg	12	97
Copper, mcg	250	2029
Iodine, mcg	6	49
Selenium, mcg	1.8	14.6
Sodium, mg	43	349
Sodium, mEq	1.9	15.2
Potassium, mg	129	1047
Potassium, mEq	3.3	26.8
Chloride, mg	81	657
Chloride, mEq	2.3	18.6
Other Characteristics		
PRSL, mOsm	27.8	225.8
Water, g	109	885
Osmolality, mOsm/kg H_2O	280	280

Similac® Special Care® 24 High Protein

Premature Infant Formula

Description/Indications

A 24 Cal/fl oz iron-fortified feeding for growing, low-birth-weight infants and premature infants who may need extra protein to help support growth. Studies have shown that the growth of hospitalized infants is related to protein intake.[1,2]

Features

- 3.3 g of protein/100 Cal, 10% more protein than comparable formulas
- With 3.3 g of protein/100 Cal, less formula and powder modulars are needed to meet the protein needs of many preterm infants.[3-5]* No mixing needed.
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- DHA and ARA, special nutrients found in breast milk shown to improve visual development in preterm infants
- Provides calcium and phosphorus at concentrations necessary to achieve intrauterine accretion rates
- Provides approximately 2 mg iron/kg body weight per day, when fed at 120 Cal/kg body weight per day
- Gluten-free
- Kosher, Halal

Precautions

- Very low-birth-weight infants are particularly susceptible to gastrointestinal complications; therefore, feeding should be initiated cautiously
- Tolerance to enteral feedings should be confirmed by initially offering small volumes of hypocaloric formula followed by cautious progression to higher caloric feedings. Spitting up, excessive gastric residuals, abdominal distention, abnormal stools or stool patterns, or other signs of intestinal dysfunction have been associated with enteral feeding before the intestinal tract is ready to accommodate the regimen. At the first sign of these problems, enteral feeding should be slowed or discontinued.
- Not intended for feeding low-birth-weight infants after they reach a weight of 3600 g (approximately 8 lb) or as directed by a doctor

* The US Food and Drug Administration, American Dietetic Association, and Centers for Disease Control and Prevention recommend that powdered infant formulas not be used in the NICU unless there is no liquid alternative available[3-5]

1. Kashyap S et al. *Pediatr Res* 1994;35(6):704-712.
2. Kashyap S et al. *J Pediatr* 1988;113:713-721.
3. Robbins ST, Beker LT. Infant Feedings: *Guidelines for Preparation of Formula and Breastmilk in Health Care Facilities*. American Dietetic Association, 2004. A synopsis is available at: http://www.eatright.org/cps/rde/xchg/ada/hs.xsl/nutrition_1562_ENU-HTML.htm. Accessed November 22, 2008.
4. Centers for Disease Control and Prevention. *Enterobacter sakazakii* infections associated with the use of powdered infant formula—Tennessee, 2001. Available at: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5114a1.htm. Accessed November 22, 2008.
5. US Food and Drug Administration, Center for Food Safety and Applied Nutrition, Office of Nutritional Products, Labeling and Dietary Supplements. Health professionals letter on *Enterobacter sakazakii* infections associated with use of powdered (dry) infant formulas in neonatal intensive care units. Available at: http://www.cfsan.fda.gov/~dms/inf-ltr3.html. Accessed November 22, 2008.

Availability: Hospital/Institutional

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (24 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	50849

Similac® Special Care® 24 High Protein

Preparation

READY TO FEED: Do not dilute unless directed by physician. Can be mixed to a variety of caloric densities using the **Similac® Special Care® Liqui-Mix™ System** (see pages 48–49, 52–53). Follow physician's instructions.

Ingredients

Ready to Feed: Water, Nonfat Milk, Corn Syrup Solids, Medium Chain Triglycerides, Whey Protein Concentrate, Lactose, Soy Oil, Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil†, M. Alpina Oil‡, Calcium Phosphate, Ascorbic Acid, Potassium Citrate, Calcium Carbonate, Soy Lecithin, Monoglycerides, Magnesium Chloride, m-Inositol, Sodium Citrate, Carrageenan, Potassium Hydroxide, Ferrous Sulfate, Choline Bitartrate, Taurine, Choline Chloride, Niacinamide, L-Carnitine, Zinc Sulfate, Potassium Chloride, Sodium Chloride, Potassium Phosphate, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Vitamin A Palmitate, Cupric Sulfate, Riboflavin, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Manganese Sulfate, Biotin, Phylloquinone, Sodium Selenate, Vitamin D_3, Cyanocobalamin, and Nucleotides (Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'- Monophosphate, Adenosine 5'-Monophosphate). (FAN 8335-01) **Contains milk and soy ingredients.**

†A source of docosahexaenoic acid (DHA)

‡A source of arachidonic acid (ARA)

US Patents 5,416,077;5,492,899;5,700,590

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	812
Volume, mL	124	1000
Protein, g	3.3	26.8
% Total Cal	13	13
Source	Nonfat milk, whey protein concentrate	
Fat, g	5.43	44.07
% Total Cal	47	47
Source	Medium chain triglycerides, soy, and coconut oils (0.25% DHA; 0.40% ARA)	
Oil Ratio	50:30:18	50:30:18
Linoleic Acid, mg	700	5681
Carbohydrate, g	10	81
% Total Cal	40	40
Source	Corn syrup solids, lactose	
Ratio	50:50	50:50
Vitamins		
Vitamin A, IU	1250	10,144
Vitamin D, IU	150	1217
Vitamin E, IU	4.0	32.5
Vitamin K, mcg	12	97.4
Thiamin (Vit B_1), mcg	250	2029
Riboflavin (Vit B_2), mcg	620	5032
Vitamin B_6, mcg	250	2029
Vitamin B_{12}, mcg	0.55	4.46
Niacin, mcg	5000	40,578
Folic Acid, mcg	37	300
Pantothenic Acid, mcg	1900	15,419
Biotin, mcg	37	300
Vitamin C, mg	37	300
Choline, mg	10	81
Inositol, mg	40	325
Minerals		
Calcium, mg	180	1461
Calcium, mEq	9.0	72.9
Phosphorus, mg	100	812
Magnesium, mg	12	97.4
Iron, mg	1.8	14.6
Zinc, mg	1.5	12.17
Manganese, mcg	12	97
Copper, mcg	250	2029
Iodine, mcg	6	49
Selenium, mcg	1.8	14.6
Sodium, mg	43	349
Sodium, mEq	1.9	15.2
Potassium, mg	129	1047
Potassium, mEq	3.3	26.8
Chloride, mg	81	657
Chloride, mEq	2.3	18.6
Other Characteristics		
PRSL, mOsm	29.5	240
Water, g	109	885
Osmolality, mOsm/kg H_2O	280	280

Similac® Special Care® 30 With Iron

Premature Infant Formula

Description/Indications

A 30 Cal/fl oz iron-fortified feeding for growing, low-birth-weight infants and premature infants. Suitable for use as a human milk fortifier and/or a breast milk extender.

Features

- First and only 30 Cal/fl oz ready-to-feed liquid preterm infant formula for safe delivery of high-calorie, nutrient-dense formula[1-3]
- Highest caloric density preterm formula
- Mixes easily with other Similac® Special Care® formulas for a variety of high-caloric, nutrient-dense formulas—helps eliminate potential for mixing errors and contamination
- Formulated to maximize nutrient intake during periods of fluid restriction
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- DHA and ARA, special nutrients found in breast milk shown to improve visual development in preterm infants
- Provides calcium and phosphorus at concentrations necessary to achieve intrauterine accretion rates
- Provides approximately 2 mg iron/kg body weight per day, when fed at 120 Cal/kg body weight per day
- Gluten-free
- Kosher, Halal

Precautions

- Very low-birth-weight infants are particularly susceptible to gastrointestinal complications; therefore, feeding should be initiated cautiously
- Tolerance to enteral feedings should be confirmed by initially offering small volumes of hypocaloric formula followed by cautious progression to higher caloric feedings. Spitting up, excessive gastric residuals, abdominal distention, abnormal stools or stool patterns, or other signs of intestinal dysfunction have been associated with enteral feeding before the intestinal tract is ready to accommodate the regimen. At the first sign of these problems, enteral feeding should be slowed or discontinued.
- Not intended for feeding low-birth-weight infants after they reach a weight of 3600 g (approximately 8 lb) or as directed by a doctor

1. Robbins ST, Beker LT. Infant Feedings: *Guidelines for Preparation of Formula and Breastmilk in Health Care Facilities.* American Dietetic Association, 2004. A synopsis is available at: http://www.eatright.org/cps/rde/xchg/ada/hs.xsl/nutrition_1562_ENU_HTML.htm. Accessed November 28, 2008.
2. Centers for Disease Control and Prevention. *Enterobacter sakazakii* infections associated with the use of powdered infant formula—Tennessee, 2001. Available at http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5114a1.htm. Accessed November 22, 2008.
3. US Food and Drug Administration, Center for Food Safety and Applied Nutrition, Office of Nutritional Products, Labeling and Dietary Supplements. Health professionals letter on *Enterobacter sakazakii* infections associated with use of powdered (dry) infant formulas in neonatal intensive care units. Available at: http://www.cfsan.fda.gov/~dms/inf-ltr3.html. Accessed November 22, 2008.

Availability

Size	Container	List No.
StrongBabies™ System		
Ready To Feed: (30 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	59439

Similac® Special Care® 30 With Iron

Preparation

READY TO FEED: Do not dilute unless directed by physician. Can be mixed to a variety of caloric densities using the **Similac® Special Care® Liqui-Mix™ System** (see pages 48–53). Follow physician's instructions.

Ingredients

Water, Nonfat Milk, Corn Syrup Solids, Medium Chain Triglycerides, Soy Oil, Whey Protein Concentrate, Coconut Oil, Lactose. **Less than 0.5% of:** C. Cohnii Oil*, M. Alpina Oil†, Calcium Phosphate, Ascorbic Acid, Calcium Carbonate, Soy Lecithin, Monoglycerides, Magnesium Chloride, Sodium Citrate, m-Inositol, Potassium Hydroxide, Carrageenan, Ferrous Sulfate, Choline Bitartrate, Taurine, Choline Chloride, Niacinamide, L-Carnitine, Zinc Sulfate, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Vitamin A Palmitate, Cupric Sulfate, Riboflavin, Potassium Citrate, Pyridoxine Hydrochloride, Thiamine Chloride Hydrochloride, Folic Acid, Beta-Carotene, Manganese Sulfate, Biotin, Phylloquinone, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Chloride, Potassium Phosphate, and Nucleotides (Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate, Adenosine 5'-Monophosphate). (FAN 9388-01) **Contains milk and soy ingredients.**

*A source of docosahexaenoic acid (DHA)

†A source of arachidonic acid (ARA)

US Patents 5,191,975; D332,401; D332,395; D337,271; 4,991,731; 4,981,230; and 4,813,561

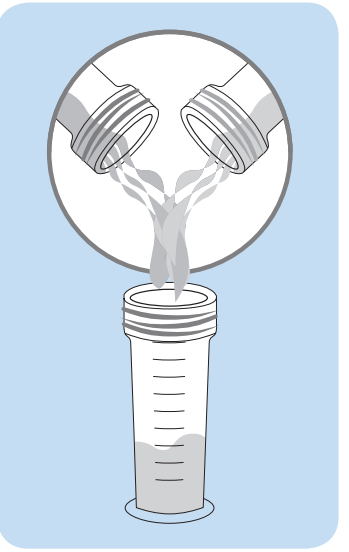
Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	1014
Volume, mL	99	1000
Protein, g	3.0	30.4
% Total Cal	12	12
Source	Nonfat milk, whey protein concentrate	
Fat, g	6.61	67.1
% Total Cal	57	57
Source	Medium chain triglycerides, soy, and coconut oils (0.21% DHA; 0.33% ARA)	
Oil Ratio	50:30:18	50:30:18
Linoleic Acid, mg	700	7101
Carbohydrate, g	7.73	78.4
% Total Cal	31	31
Source	Corn syrup solids, lactose	
Ratio	50:50	50:50
Vitamins		
Vitamin A, IU	1250	12,681
Vitamin D, IU	150	1522
Vitamin E, IU	4.0	40.6
Vitamin K, mcg	12	122
Thiamin (Vit B_1), mcg	250	2536
Riboflavin (Vit B_2), mcg	620	6290
Vitamin B_6, mcg	250	2536
Vitamin B_{12}, mcg	0.55	5.58
Niacin, mcg	5000	50,722
Folic Acid, mcg	37	375
Pantothenic Acid, mcg	1900	19,274
Biotin, mcg	37	375.3
Vitamin C, mg	37	375
Choline, mg	10	101
Inositol, mg	40	406
Minerals		
Calcium, mg	180	1826
Calcium, mEq	9.0	91.3
Phosphorus, mg	100	1014
Magnesium, mg	12	122
Iron, mg	1.8	18.3
Zinc, mg	1.5	15.22
Manganese, mcg	12	122
Copper, mcg	250	2536
Iodine, mcg	6	61
Selenium, mcg	1.8	18.3
Sodium, mg	43	436
Sodium, mEq	1.9	19.0
Potassium, mg	129	1308
Potassium, mEq	3.3	33.5
Chloride, mg	81	821
Chloride, mEq	2.3	23.2
Other Characteristics		
PRSL, mOsm	27.8	282.3
Water, g	84	852
Osmolality, mOsm/kg H_2O	325	325

Similac® Special Care® Liqui-Mix™ System

Description

Similac Special Care infant formulas offer a comprehensive line of feedings for growing low-birth-weight infants and premature infants. Similac® Special Care® 24 With Iron, Similac® Special Care® 24 High Protein, and Similac® Special Care® 30 With Iron can be used in the Liqui-Mix System for precise mixing and safe delivery of high-calorie, nutrient-dense formula.



The FDA, ADA, and CDC recommend that powdered infant formulas not be used in the NICU unless there is no alternative available[1-3]*

- NICU babies are often immunocompromised and may be at high risk for developing infections
- Powdered formulas are not commercially sterile
- Reconstituted powder infant formulas have potential for microbial growth and mixing errors

Similac Special Care liquid formulas eliminate the need for most powder mixing.

Features

- **Safe**
  - Commercially sterile liquid meets FDA, ADA, and CDC recommendations to reduce risk of contamination
- **Versatile**
  - Mixes easily to create a variety of calorically dense formulas
- **Simple**
  - Easy-to-use, 2- to-1, 1-to-1, 1-to-2 system

NOTE: Proper hygiene, handling, and storage are important when preparing infant formulas. Always follow your hospital's policies and procedures regarding safe handling practices when preparing infant feedings to prevent the possibility of contamination.

1. Robbins ST, Beker LT. Infant Feedings: *Guidelines for Preparation of Formula and Breastmilk in Health Care Facilities*. American Dietetic Association, 2004. A synopsis is available at: http://www.eatright.org/cps/rde/xchg/ada/hs.xsl/nutrition_1562_ENU-HTML.htm. Accessed November 22, 2008.

2. Centers for Disease Control and Prevention. *Enterobacter sakazakii* infections associated with the use of powdered infant formula—Tennessee, 2001. Available at: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5114a1.htm. Accessed November 22, 2008.

3. US Food and Drug Administration, Center for Food Safety and Applied Nutrition, Office of Nutritional Products, Labeling and Dietary Supplements. Health professionals letter on *Enterobacter sakazakii* infections associated with use of powdered (dry) infant formulas in neonatal intensive care units. Available at: http://www.cfsan.fda.gov/~dms/inf-ltr3.html. Accessed November 22, 2008.

* US Food and Drug Administration, American Dietetic Association, and Centers for Disease Control and Prevention

Recipes for various formula concentrations using the Similac® Special Care® Liqui-Mix™ System.

Similac® Special Care® 24 With Iron (SSC 24 w/Iron) + Similac® Special Care® 30 With Iron (SSC 30 w/Iron)

Measure liquid formulas by volume when mixing, as fill weights can vary.

To Prepare:	Mix the Following:
26 Cal/fl oz formula	2 parts SSC 24 w/Iron + 1 part SSC 30 w/Iron
27 Cal/fl oz formula	1 part SSC 24 w/Iron + 1 part SSC 30 w/Iron
28 Cal/fl oz formula†	1 part SSC 24 w/Iron + 2 parts SSC 30 w/Iron

†**EXAMPLE:** To make 1 fl oz (approximately 30 mL) of 28-Cal formula, mix approximately 10 mL of SSC 24 w/Iron and 20 mL of SSC 30 w/Iron. For more precise measurements, use a Volu-Feed® bottle.

Similac® Special Care® 24 High Protein (SSC 24 HP) + Similac® Special Care® 30 With Iron (SSC 30 w/Iron)

Measure liquid formulas by volume when mixing, as fill weights can vary.

To Prepare:	Mix the Following:
26 Cal/fl oz formula	2 parts SSC 24 HP w/Iron + 1 part SSC 30 w/Iron
27 Cal/fl oz formula	1 part SSC 24 HP w/Iron + 1 part SSC 30 w/Iron
28 Cal/fl oz formula‡	1 part SSC 24 HP w/Iron + 2 parts SSC 30 w/Iron

‡**EXAMPLE:** To make 1 fl oz (approximately 30 mL) of 28-Cal formula, mix approximately 10 mL of SSC 24 HP w/Iron and 20 mL of SSC 30 w/Iron. For more precise measurements, use a Volu-Feed® bottle.

Liqui-Mix™ System

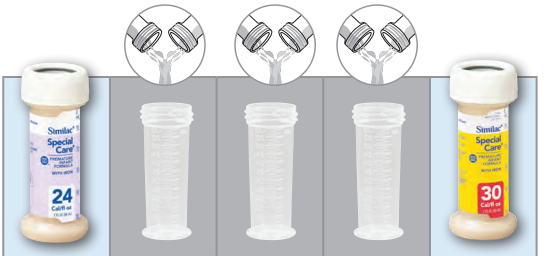
Similac® Special Care® 24 With Iron + Similac® Special Care® 30 With Iron

Nutrients per 100 Cal

Similac Special Care Liqui-Mix System*

For safe† delivery of high-calorie, nutrient-dense formula.

- **SAFE**—Commercially sterile liquid meets FDA, ADA, and CDC‡ recommendations to reduce risk of contamination
- **VERSATILE**—Mixes easily to create a variety of calorically dense formulas
- **SIMPLE**—Easy-to-use 2-to-1, 1-to-1, 1-to-2 system



Cal/fl oz	Similac® Special Care® 24 With Iron (SSC 24 w/Iron)	Mix 2 parts SSC 24 w/ Iron + 1 part SSC 30 w/Iron	Mix 1 part SSC 24 w/Iron + 1 part SSC 30 w/Iron	Mix 1 part SSC 24 w/Iron + 2 parts SSC 30 w/Iron	Similac® Special Care® 30 With Iron (SSC 30 w/Iron)
	24	26	27	28	30
Nutrients					
Energy, Cal	100	100	100	100	100
Volume, mL	123	114	110	106	99
Protein, g	3.0	3.0	3.0	3.0	3.0
Fat, g	5.43	5.88	6.09	6.27	6.61
Carbohydrate, g	10.3	9.3	8.9	8.5	7.73
Calcium, mg	180	180	180	180	180
Phosphorus, mg	100	100	100	100	100
Magnesium, mg	12	12	12	12	12
Iron, mg	1.8	1.8	1.8	1.8	1.8
Zinc, mg	1.5	1.5	1.5	1.5	1.5
Manganese, mcg	12	12	12	12	12
Copper, mcg	250	250	250	250	250
Iodine, mcg	6.0	6.0	6.0	6.0	6.0
Selenium, mcg	1.8	1.8	1.8	1.8	1.8
Sodium, mg (mEq)	43 (1.9)	43 (1.9)	43 (1.9)	43 (1.9)	43 (1.9)
Potassium, mg (mEq)	129 (3.3)	129 (3.3)	129 (3.3)	129 (3.3)	129 (3.3)
Chloride, mg (mEq)	81 (2.3)	81 (2.3)	81 (2.3)	81 (2.3)	81 (2.3)
Vitamin A, IU	1250	1250	1250	1250	1250
Vitamin D, IU	150	150	150	150	150
Vitamin E, IU	4.0	4.0	4.0	4.0	4.0
Vitamin K, mcg	12	12	12	12	12
Thiamin B_1, mcg	250	250	250	250	250
Riboflavin B_2, mcg	620	620	620	620	620
Vitamin B_6, mcg	250	250	250	250	250
Vitamin B_{12}, mcg	0.55	0.55	0.55	0.55	0.55
Niacin, mcg	5000	5000	5000	5000	5000
Folic Acid, mcg	37	37	37	37	37
Pantothenic Acid, mcg	1900	1900	1900	1900	1900
Biotin, mcg	37	37	37	37	37
Vitamin C, mg	37	37	37	37	37
Choline, mg	10	10	10	10	10
Inositol, mg	40	40	40	40	40
Linoleic Acid, mg	700	700	700	700	700
Potential RSL, mOsm	27.8	27.8	27.8	27.8	27.8
Approx Osmolality, mOsm/kg water	280	295	305	310	325

* Patent Pending

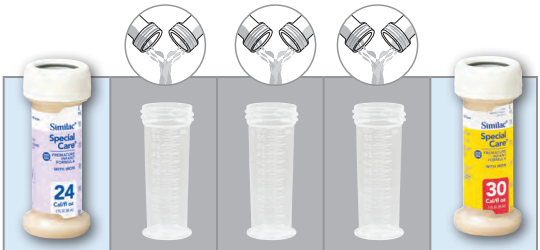
† Proper hygiene, handling, and storage are important when preparing infant formulas. Always follow your hospital's policies and procedures regarding safe handling practices when preparing infant feedings to prevent the possibility of contamination.

‡ US Food and Drug Administration, American Dietetic Association, and Centers for Disease Control and Prevention

Liqui-Mix™ System

Similac® Special Care® 24 With Iron + Similac® Special Care® 30 With Iron

Nutrients per 100 mL



	Similac® Special Care® 24 With Iron (SSC 24 w/Iron)	Mix 2 parts SSC 24 w/ Iron + 1 part SSC 30 w/Iron	Mix 1 part SSC 24 w/ Iron + 1 part SSC 30 w/Iron	Mix 1 part SSC 24 w/ Iron + 2 parts SSC 30 w/Iron	Similac® Special Care® 30 With Iron (SSC 30 w/Iron)
Cal/fl oz	**24**	**26**	**27**	**28**	**30**
Nutrients					
Energy, Cal	81	88	91	95	101
Volume, mL	100	100	100	100	100
Protein, g	2.43	2.64	2.74	2.84	3.04
Fat, g	4.41	5.17	5.56	5.94	6.71
Carbohydrate, g	8.4	8.2	8.1	8.0	7.8
Calcium, mg	146	158	164	170	183
Phosphorus, mg	81	88	91	95	101
Magnesium, mg	9.7	10.6	11.0	11.4	12.2
Iron, mg	1.46	1.58	1.64	1.70	1.83
Zinc, mg	1.22	1.32	1.37	1.42	1.52
Manganese, mcg	10	11	11	11	12
Copper, mcg	203	220	228	237	254
Iodine, mcg	5.0	5.0	5.0	6.0	6.0
Selenium, mcg	1.5	1.6	1.6	1.7	1.8
Sodium, mg (mEq)	35 (1.5)	38 (1.6)	39 (1.7)	41 (1.8)	44 (1.9)
Potassium, mg (mEq)	105 (2.7)	113 (2.9)	118 (3.0)	122 (3.1)	131 (3.4)
Chloride, mg (mEq)	66 (1.9)	71 (2.0)	74 (2.1)	77 (2.2)	82 (2.3)
Vitamin A, IU	1014	1099	1141	1184	1268
Vitamin D, IU	122	132	137	142	152
Vitamin E, IU	3.2	3.5	3.7	3.8	4.1
Vitamin K, mcg	9.7	10.6	11.0	11.4	12.2
Thiamin B_1, mcg	203	220	228	237	254
Riboflavin B_2, mcg	503	545	566	587	629
Vitamin B_6, mcg	203	220	228	237	254
Vitamin B_{12}, mcg	0.45	0.48	0.50	0.52	0.56
Niacin, mcg	4058	4396	4565	4734	5072
Folic Acid, mcg	30	32.5	33.8	35	37.5
Pantothenic Acid, mcg	1542	1670	1735	1799	1927
Biotin, mcg	30	32.5	33.8	35	37.5
Vitamin C, mg	30	33	34	35	38
Choline, mg	8.0	9.0	9.0	9.0	10
Inositol, mg	32	35	37	38	41
Linoleic Acid, mg	568	615	639	663	710
Potential RSL, mOsm	22.6	24.5	25.4	26.3	28.2
Approx Osmolality, mOsm/kg water	280	295	305	310	325

Liqui-Mix™ System

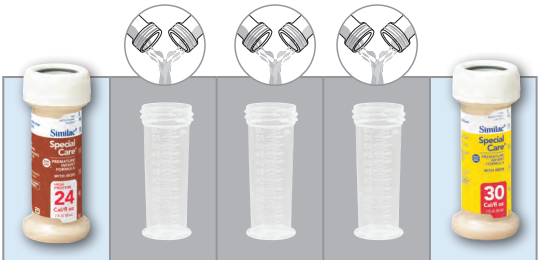
Similac® Special Care® 24 High Protein + Similac® Special Care® 30 With Iron

Nutrients per 100 Cal

Similac Special Care Liqui-Mix System*

For safe† delivery of high-calorie, nutrient-dense formula.

- **SAFE**—Commercially sterile liquid meets FDA, ADA, and CDC‡ recommendations to reduce risk of contamination
- **VERSATILE**—Mixes easily to create a variety of calorically dense formulas
- **SIMPLE**—Easy-to-use 2-to-1, 1-to-1, 1-to-2 system



	Similac® Special Care® 24 High Protein (SSC 24 HP)	Mix 2 parts SSC 24 HP + 1 part SSC 30 w/Iron	Mix 1 part SSC 24 HP + 1 part SSC 30 w/Iron	Mix 1 part SSC 24 HP + 2 parts SSC 30 w/Iron	Similac® Special Care® 30 With Iron (SSC 30 w/Iron)
Cal/fl oz	**24**	**26**	**27**	**28**	**30**
Nutrients					
Energy, Cal	100	100	100	100	100
Volume, mL	123	114	110	106	99
Protein, g	3.30	3.18	3.13	3.09	3.0
Fat, g	5.43	5.88	6.09	6.27	6.61
Carbohydrate, g	10.0	9.1	8.7	8.4	7.73
Calcium, mg	180	180	180	180	180
Phosphorus, mg	100	100	100	100	100
Magnesium, mg	12	12	12	12	12
Iron, mg	1.8	1.8	1.8	1.8	1.8
Zinc, mg	1.5	1.5	1.5	1.5	1.5
Manganese, mcg	12	12	12	12	12
Copper, mcg	250	250	250	250	250
Iodine, mcg	6.0	6.0	6.0	6.0	6.0
Selenium, mcg	1.8	1.8	1.8	1.8	1.8
Sodium, mg (mEq)	43 (1.9)	43 (1.9)	43 (1.9)	43 (1.9)	43 (1.9)
Potassium, mg (mEq)	129 (3.3)	129 (3.3)	129 (3.3)	129 (3.3)	129 (3.3)
Chloride, mg (mEq)	81 (2.3)	81 (2.3)	81 (2.3)	81 (2.3)	81 (2.3)
Vitamin A, IU	1250	1250	1250	1250	1250
Vitamin D, IU	150	150	150	150	150
Vitamin E, IU	4.0	4.0	4.0	4.0	4.0
Vitamin K, mcg	12	12	12	12	12
Thiamin B_1, mcg	250	250	250	250	250
Riboflavin B_2, mcg	620	620	620	620	620
Vitamin B_6, mcg	250	250	250	250	250
Vitamin B_{12}, mcg	0.55	0.55	0.55	0.55	0.55
Niacin, mcg	5000	5000	5000	5000	5000
Folic Acid, mcg	37	37	37	37	37
Pantothenic Acid, mcg	1900	1900	1900	1900	1900
Biotin, mcg	37	37	37	37	37
Vitamin C, mg	37	37	37	37	37
Choline, mg	10	10	10	10	10
Inositol, mg	40	40	40	40	40
Linoleic Acid, mg	700	700	700	700	700
Potential RSL, mOsm	29.5	28.9	28.6	28.3	27.8
Approx Osmolality, mOsm/kg water	280	295	305	310	325

* Patent Pending

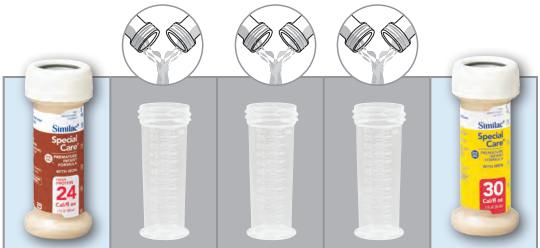
† Proper hygiene, handling, and storage are important when preparing infant formulas. Always follow your hospital's policies and procedures regarding safe handling practices when preparing infant feedings to prevent the possibility of contamination.

‡ US Food and Drug Administration, American Dietetic Association, and Centers for Disease Control and Prevention

Liqui-Mix™ System

Similac® Special Care® 24 High Protein + Similac® Special Care® 30 With Iron

Nutrients per 100 mL



	Similac® Special Care® 24 High Protein (SSC 24 HP)	Mix 2 parts SSC 24 HP + 1 part SSC 30 w/Iron	Mix 1 part SSC 24 HP + 1 part SSC 30 w/Iron	Mix 1 part SSC 24 HP + 2 parts SSC 30 w/Iron	Similac® Special Care® 30 With Iron (SSC 30 w/Iron)
Cal/fl oz	**24**	**26**	**27**	**28**	**30**
Nutrients					
Energy, Cal	81	88	91	95	101
Volume, mL	100	100	100	100	100
Protein, g	2.68	2.80	2.86	2.92	3.04
Fat, g	4.41	5.17	5.56	5.94	6.71
Carbohydrate, g	8.1	8.0	8.0	7.9	7.8
Calcium, mg	146	158	164	170	183
Phosphorus, mg	81	88	91	95	101
Magnesium, mg	9.7	10.6	11.0	11.4	12.2
Iron, mg	1.46	1.58	1.64	1.70	1.83
Zinc, mg	1.22	1.32	1.37	1.42	1.52
Manganese, mcg	10	11	11	11	12
Copper, mcg	203	220	228	237	254
Iodine, mcg	5.0	5.0	5.0	6.0	6.0
Selenium, mcg	1.5	1.6	1.6	1.7	1.8
Sodium, mg (mEq)	35 (1.5)	38 (1.6)	39 (1.7)	41 (1.8)	44 (1.9)
Potassium, mg (mEq)	105 (2.7)	113 (2.9)	118 (3.0)	122 (3.1)	131 (3.4)
Chloride, mg (mEq)	66 (1.9)	71 (2.0)	74 (2.1)	77 (2.2)	82 (2.3)
Vitamin A, IU	1014	1099	1141	1184	1268
Vitamin D, IU	122	132	137	142	152
Vitamin E, IU	3.2	3.5	3.7	3.8	4.1
Vitamin K, mcg	9.7	10.6	11.0	11.4	12.2
Thiamin B_1, mcg	203	220	228	237	254
Riboflavin B_2, mcg	503	545	566	587	629
Vitamin B_6, mcg	203	220	228	237	254
Vitamin B_{12}, mcg	0.45	0.48	0.50	0.52	0.56
Niacin, mcg	4058	4396	4565	4734	5072
Folic Acid, mcg	30	32.5	33.8	35	37.5
Pantothenic Acid, mcg	1542	1670	1735	1799	1927
Biotin, mcg	30	32.5	33.8	35	37.5
Vitamin C, mg	30	33	34	35	38
Choline, mg	8.0	9.0	9.0	9.0	10
Inositol, mg	32	35	37	38	41
Linoleic Acid, mg	568	615	639	663	710
Potential RSL, mOsm	24.0	25.4	26.1	26.8	28.2
Approx Osmolality, mOsm/kg water	280	295	305	310	325

Similac® NeoSure®

Infant Formula with Iron

Description/Indications

A special nutrient-enriched 22 Cal/fl oz iron-fortified formula for conditions such as prematurity. Designed to be used as a preterm, postdischarge formula. Supports excellent catch-up growth.[1]

Features

- Higher levels of protein, vitamins, and minerals per 100 Cal than standard term formulas to promote greater weight gain and growth[1]
- Significant clinical outcomes: Excellent catch-up growth (compared to term formulas), early language and visual development, and improved body composition[1-4*†‡]
- Gains in weight, length, and head circumference when compared to term formula[1]
- Has a patented blend of special breast milk nutrients called nucleotides to help support the developing immune system
- DHA and ARA to help support brain and eye development[2]
- Extra calcium and phosphorus to help support bone development
- 25% of fat as medium-chain triglycerides, an easily digested and well-absorbed fat source
- Gluten-free
- Kosher, Halal

1. Carver JD, Wu PY, Hall RT et al. *Pediatrics* 2001;107:683-689.
2. O'Connor DL, Hall R, Adamkin D et al. *Pediatrics* 2001;108:359-371.
3. Worrell LA, Thorp JW, Tucker R et al. *J Perinatol* 2002;22:112-119.
4. Groh-Wargo S, Jacobs J, Auestad N, et al. *Pediatr Res* 2005;57:712-718.

*Based on a subset of infants fed formula with DHA and ARA in a post-hoc analysis of English-speaking singleton premature infants using the MacArthur Communicative Developmental Inventories.

†Visual acuity measured at 4 and 6 months corrected age and assessed by Visual Evoked Potential (VEP).

‡Defined as being more similar to the body composition of a normal fetus of the same postmenstrual age.

Availability: Hospital/Institutional

Size	Container	List No.
Strong Babies™ System		
Ready To Feed: (22 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	59649

Availability: Retail

Size	Container	List No.
Ready To Feed:		
2 fl oz	plastic bottle; 6 inter ctn/cs; 48 bott/cs	59645
32 fl oz	plastic bottle; 6/case	57455
Powder: (with measuring scoop)		
12.8 oz (363 g); yields 85 fl oz§	container; 6/case	57430

§ At standard density of 22 Cal/fl oz

Preparation

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

READY TO FEED: Do not dilute.

POWDER:

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s) (9.6 g)** of NeoSure powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac NeoSure Infant Formula POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20	4.5	2	5
22 (standard)	2	1	2
24	5.5	3	6
26	5	3	6
27	8	5	9

To make a larger amount of formula at standard density (22 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 21 fl oz of water. Yields approximately 24 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Ingredients

Ready To Feed (2-fl-oz bottle): Water, Nonfat Milk, Corn Syrup Solids, Soy Oil, Lactose, Coconut Oil, Whey Protein Concentrate, Medium Chain Triglycerides. **Less than 0.5% of:** C. Cohnii Oil‖, M. Alpina Oil¶, Potassium Citrate, Calcium Carbonate, Soy Lecithin, Monoglycerides, m-Inositol, Ascorbic Acid, Magnesium Chloride, Calcium Phosphate, Carrageenan, Taurine, Choline Chloride, Ferrous Sulfate, Choline Bitartrate, L-Carnitine, Potassium Chloride, d-Alpha-Tocopheryl Acetate, Zinc Sulfate, Niacinamide, Potassium Phosphate, Calcium Pantothenate, Sodium Chloride, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 9388-04) **Contains milk and soy ingredients.**

Ready To Feed (32-fl-oz bottle): Water, Nonfat Milk, Corn Syrup Solids, Lactose, Soy Oil, High Oleic Safflower Oil, Whey Protein Concentrate, Medium Chain Triglycerides, Coconut Oil. **Less than 0.5% of:** C. Cohnii Oil‖, M. Alpina Oil¶, Potassium Citrate, Calcium Carbonate, Soy Lecithin, Monoglycerides, m-Inositol, Ascorbic Acid, Magnesium Chloride, Calcium Phosphate, Carrageenan, Taurine, Choline Chloride, Ferrous Sulfate, Choline Bitartrate, L-Carnitine, Potassium Chloride, d-Alpha-Tocopheryl Acetate, Zinc Sulfate, Niacinamide, Potassium Phosphate, Calcium Pantothenate, Sodium Chloride, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 8226-02) **Contains milk and soy ingredients.**

Powder: Nonfat Milk, Corn Syrup Solids, Lactose, Soy Oil, High Oleic Safflower Oil, Whey Protein Concentrate, Medium Chain Triglycerides, Coconut Oil. **Less than 2% of:** C. Cohnii Oil‖, M. Alpina Oil¶, Potassium Citrate, Calcium Phosphate, m-Inositol, Ascorbic Acid, Magnesium Chloride, Calcium Carbonate, Taurine, Ferrous Sulfate, Choline Bitartrate, Choline Chloride, Ascorbyl Palmitate, L-Carnitine, Potassium Chloride, Sodium Chloride, Zinc Sulfate, Mixed Tocopherols, d-Alpha-Tocopheryl Acetate, Sodium Citrate, Niacinamide, Potassium Phosphate, Calcium Pantothenate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide, and Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate). (FAN 9388-05) **Contains milk ingredients.**

‖A source of docosahexaenoic acid (DHA)

¶A source of arachidonic acid (ARA)

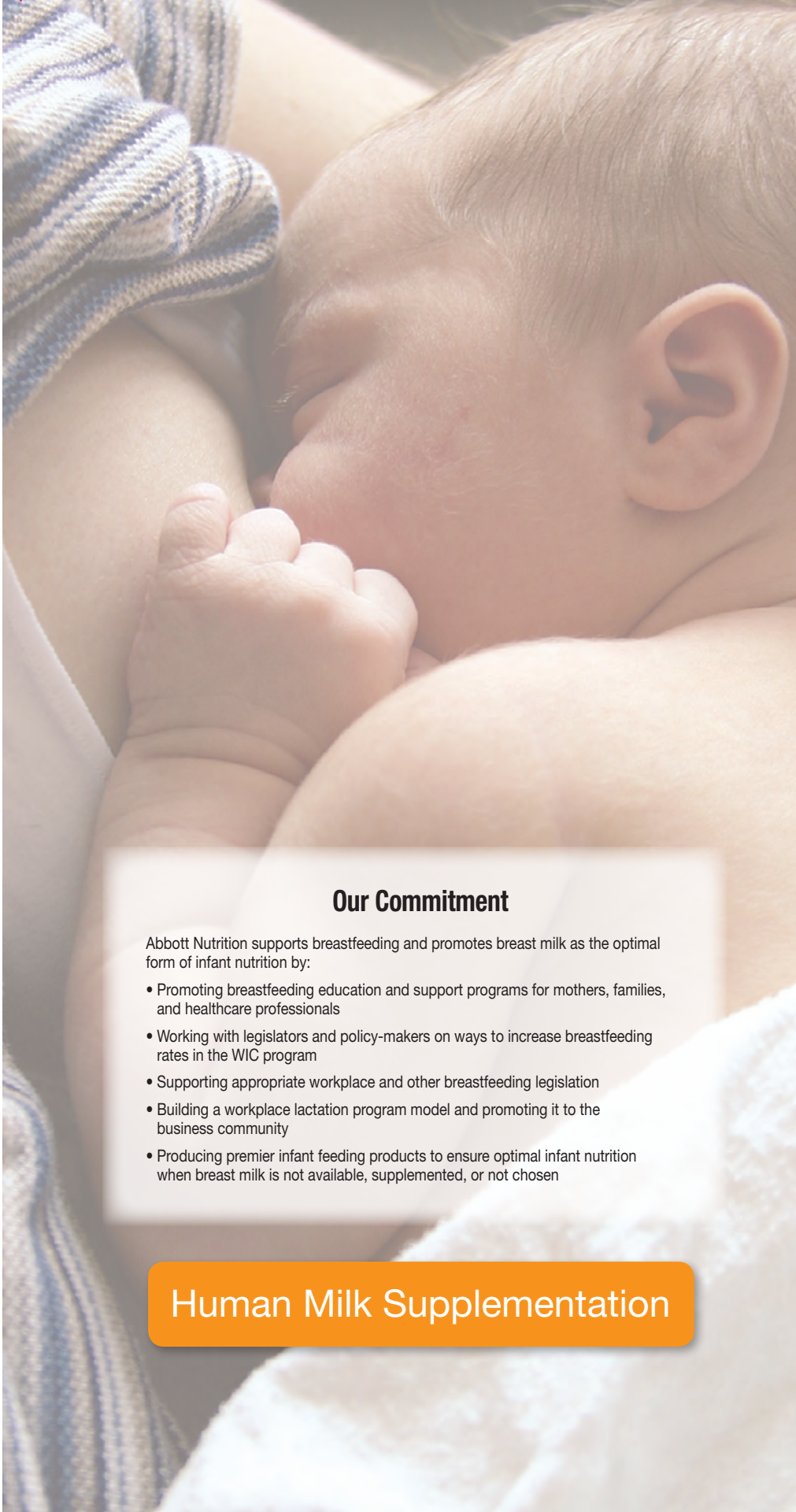
US Patents 5,221,545; 5,416,077; 5,700,590; D416,801; and D419,455.

See next page for nutrition information.

Similac® NeoSure®

Nutrition Information		
	100 Cal	1000 mL
Energy, Cal	100	744
Volume, mL	134	1000
Protein, g	2.8	20.83
% Total Cal	11	11
Source	Nonfat milk, whey protein concentrate	
Fat, g	5.50	40.92
% Total Cal	49	49
Source	Soy oil, coconut oil, medium chain triglycerides (0.15% DHA, 0.40% ARA)	
Oil Ratio*	45.29:25	45.29:25
Linoleic Acid, mg	750	5579
Carbohydrate, g	10.1	75.1
% Total Cal	40	40
Source	Corn syrup solids, lactose	
Ratio	50:50	50:50
Vitamins		
Vitamin A, IU	460	3422
Vitamin D, IU	70	521
Vitamin E, IU	3.6	26.8
Vitamin K, mcg	11	81.8
Thiamin (Vit B_1), mcg	220	1637
Riboflavin (Vit B_2), mcg	150	1116
Vitamin B_6, mcg	100	744
Vitamin B_{12}, mcg	0.40	2.98
Niacin, mcg	1950	14,506
Folic Acid, mcg	25	186
Pantothenic Acid, mcg	800	5951
Biotin, mcg	9.0	67.0
Vitamin C, mg	15	112
Choline, mg	16	119
Inositol, mg	35	260.0
Minerals		
Calcium, mg	105	781
Calcium, mEq	5.2	39.0
Phosphorus, mg	62	461
Magnesium, mg	9.0	67.0
Iron, mg	1.8	13.4
Zinc, mg	1.2	8.9
Manganese, mcg	10	74
Copper, mcg	120	893
Iodine, mcg	15	112
Selenium, mcg	2.3	17.1
Sodium, mg	33	245
Sodium, mEq	1.4	10.7
Potassium, mg	142	1056
Potassium, mEq	3.6	27.0
Chloride, mg	75	558
Chloride, mEq	2.1	15.7
Other Characteristics		
PRSL, mOsm	25.2	187.4
Water, g	120	893
Osmolality, mOsm/kg H_2O	250	250

*Represents 2-fl-oz bottle



Our Commitment

Abbott Nutrition supports breastfeeding and promotes breast milk as the optimal form of infant nutrition by:

- Promoting breastfeeding education and support programs for mothers, families, and healthcare professionals
- Working with legislators and policy-makers on ways to increase breastfeeding rates in the WIC program
- Supporting appropriate workplace and other breastfeeding legislation
- Building a workplace lactation program model and promoting it to the business community
- Producing premier infant feeding products to ensure optimal infant nutrition when breast milk is not available, supplemented, or not chosen

Human Milk Supplementation

Nutrient Composition of Human Milk

	Preterm Human Milk*		Term Human Milk†	
	100 Cal	1000 mL	100 Cal	1000 mL
Energy, Cal	100	671	100	680
Volume, mL	149	1000	147	1000
Protein, g	2.10	14.09	1.54	10.48
% Total Cal	8	8	6	6
Source	Preterm Human Milk	Preterm Human Milk	Term Human Milk	Term Human Milk
Fat, g	5.80	38.93	5.74	39.05
% Total Cal	52	52	52	52
Source	Preterm Human Milk	Preterm Human Milk	Term Human Milk	Term Human Milk
Linoleic Acid, mg	550	3691	550	3741
Carbohydrate, g	9.9	66.4	10.6	72.0
% Total Cal	40	40	42	42
Source	Lactose	Lactose	Lactose	Lactose
Vitamins				
Vitamin A, IU	581	3899	331	2252
Vitamin D, IU	3	20	3	20
Vitamin E, IU	1.6	10.7	0.6	4.1
Vitamin K, mcg	0.3	2.0	0.3	2.0
Thiamin (Vit B_1), mcg	31	208	31	211
Riboflavin (Vit B_2), mcg	72	483	51	347
Vitamin B_6, mcg	22	148	30	204
Vitamin B_{12}, mcg	0.07	0.47	0.07	0.48
Niacin, mcg	224	1503	221	1503
Folic Acid, mcg	5	33	7	48
Pantothenic Acid, mcg	269	1805	265	1803
Biotin, mcg	0.6	4.0	0.6	4.1
Vitamin C, mg	16	107	6	41
Choline, mg	14	94	14	95
Inositol, mg	22.0	147.7	22.0	149.7
Minerals				
Calcium, mg	37	248	41	279
Calcium, mEq	1.9	12.4	2.0	13.9
Phosphorus, mg	19	128	21	143
Magnesium, mg	4.6	30.9	5.1	34.7
Iron, mg	0.18	1.21	0.04	0.27
Zinc, mg	0.51	3.42	0.18	1.22
Manganese, mcg	1	6	1	7
Copper, mcg	96	644	37	252
Iodine, mcg	16	107	16	109
Selenium, mcg	2.2	14.8	2.2	15.0
Sodium, mg	37	248	26	177
Sodium, mEq	1.6	10.8	1.1	7.7
Potassium, mg	85	570	78	531
Potassium, mEq	2.2	14.6	2.0	13.6
Chloride, mg	82	550	62	422
Chloride, mEq	2.3	15.6	1.8	11.9
Other Characteristics				
PRSL, mOsm	18.7	125.6	14.4	97.6
Water, g	131	879	132	898
Osmolality, mOsm/kg H_2O	290	290	286	286

* Composition of preterm human milk varies with maternal diet, stage of lactation, within feedings, diurnally, and among mothers.[1] Values for term human milk have been used for linoleic acid, biotin, choline, inositol, manganese, iodine, and selenium.[2] Values represent mature preterm milk (not colostrum or transitional milk).

† Composition of term human milk varies with maternal diet, stage of lactation, within feedings, diurnally, and among mothers.[2,3] Values represent mature term milk (not colostrum or transitional milk). Total potentially available nucleotides = 10.7 mg/100 Cal (72 mg/L).[4] The extent of bioavailability of all sources of nucleotides has not been determined.

1. *Meeting the Special Needs of Low-Birth-Weight and Premature Infants in the Hospital* (A8100). Columbus, Ohio: Abbott Nutrition, Abbott Laboratories, January 1998, p 56.

2. American Academy of Pediatrics Committee on Nutrition: *Pediatric Nutrition Handbook*, 4th ed. Elk Grove Village: American Academy of Pediatrics, 1998:40; 132-135, 217, 258, 655-658.

3. Lawrence RA. *Breastfeeding: A Guide for the Medical Profession*, 5th ed. St. Louis: Mosby Inc, 1999:136, 737.

4. Leach JL, Baxter JH, Molitor BE, et al. Total potentially available nucleosides of human milk by stage of lactation. *Am J Clin Nutr* 1995;61:1224-1230.

Breast Milk Handling Guidelines‡

Expressing and transporting breast milk

- Begin mechanical expression as soon as possible after giving birth, with the use of a clean, hospital-grade, electric breast pump.
- Hands must be washed prior to expressing or pumping milk.
- Use containers and pumping equipment that have been washed in hot, soapy water and rinsed. If available, cleaning in a dishwasher is acceptable.
- Store human milk in "food-grade" hard plastic (ie, polypropylene) containers or glass. These containers should have an airtight seal.
- Label human milk supplied to the facility with complete and accurate information, including the infant's name, medical record number, and date and time of pumping to prevent errors in breast milk delivery.
- Maintain human milk transported to and from the hospital at proper temperatures (2° C to 6° C, 35° F to 42° F) to prevent loss of nutrients and to minimize bacterial growth.

Storing breast milk

- Provide dedicated freezers and refrigerators for storing human milk. Unless state regulations prohibit, store formula and breast milk in the same refrigerator. Store food in a separate refrigerator.
- Store milk in small portions to minimize waste. Recommend amounts according to the baby's feeding schedule.
- Maintain refrigerator temperatures at 2° C to 4° C (35° F to 40° F) and freezer temperature at -20° C (-4° F).
- Fresh human milk can be safely stored at 2° C to 4° C (35° F to 40° F) in the refrigerator for 48 hours.
- Fortified breast milk should be stored in the refrigerator at 2° C to 4° C (35° F to 40° F) and used within 24 hours.
- Frozen breast milk can be safely stored in a home freezer for 3 months and in a -20° C (- 4° F) freezer for 12 months.
- Thawed breast milk must be used within 24 hours.

Feeding expressed breast milk

- Bottles, nipples, and graduated feeders should be for single use.
- Expect that the milk will separate during storage because it is not homogenized. The cream will rise to the top of the milk and look thicker and whiter. Before feeding, gently swirling the container of milk will mix the cream back through again. Avoid vigorously shaking the milk.
- The color of milk may vary from day to day, depending on maternal diet. It may look bluish, yellowish, or brownish. Frozen breast milk may also smell different than fresh breast milk.
- Use frozen breast milk in the order in which it was expressed (oldest milk first).
- Warm or thaw containers of breast milk in the refrigerator (if frozen) or under running water. **Never** use microwaves or hot water to warm or thaw human milk.
- Do not add warm breast milk to frozen milk because it will partially thaw the frozen milk.
- Warming is not recommended for continuous feedings. Warming time for oral or bolus feedings should be limited to no more than 15 minutes. Acceptable methods for warming include electric warming units and warm running water. Water level should not reach the level of the nipple ring or submerge the lid.
- **Never** use microwaves to warm infant feedings.
- Discard any feeding remaining in the bottle after 1 hour for infants being nipple fed.

‡Adapted from:

Academy of Breastfeeding Medicine, Clinical Protocol 8, *Human Milk Storage*, 2004.

Lawrence RA, Lawrence RM: *Breastfeeding: A Guide for the Medical Profession*, 6th ed. Philadelphia: Elsevier Mosby, 2005.

Robbins ST (ed): *Infant Feedings: Guidelines for Preparation of Formula and Breastmilk in Health Care Facilities*. Chicago: American Dietetic Association, 2004.

Similac® Human Milk Fortifier

Description/Indications

Intended for low-birth-weight infants as a nutritional supplement to add to preterm human milk.

Features

- Peer-reviewed clinical study demonstrated excellent weight, length, and head circumference gains[1]
- In a peer-reviewed clinical study, preserved the antibacterial activity of breast milk against *E. coli*, *Staph*, GBS, and *E. sakazakii*[2*]
- Specially formulated to mix easily with human milk
- Low iron level provides flexibility to add iron as needed
- Well tolerated
- Small, convenient packaging designed for less spillage
- Gluten-free
- Kosher, Halal

Precautions

- Nutritionally incomplete—to be used under the supervision of a doctor
- Tolerance to enteral feedings should be confirmed by offering small volumes of unfortified human milk. Once enteral feeding is well established, Similac Human Milk Fortifier can be added to human milk (see Preparation below)
- Human milk can be fortified with Similac Human Milk Fortifier until the low-birth-weight infant reaches a weight of approximately 3600 g (approximately 8 lb) or as directed by a doctor

1. Barrett-Reis B et al. *Pediatrics* 2000;106:581-588.
2. Chan GM. *J Perinatol* 2003;23:620-623.
* *Escherichia coli*, *Staphylococcus*, Group B Streptococcus, and *Enterobacter sakazakii*

Availability: Hospital/Institutional

Powder:	**List No.**
0.90-g packet; 50 packets/inner carton; 3 inner cartons/case; 150 packets/case	54598

Preparation

POWDER: Use under supervision of a doctor. Add 1 packet of powder to desired quantity of human milk.

The powder is to be mixed with measured amounts of human milk to provide an additional 2 or 4 Cal/fl oz, as shown below.

Similac Human Milk Fortifier POWDER Mixing Chart

Additional Cal Desired	Preterm Human Milk	Similac Human Milk Fortifier
2 Cal/fl oz	50 mL	1 packet (0.9 g)
4 Cal/fl oz	25 mL	1 packet (0.9 g)

Caution: Similac Human Milk Fortifier is nutritionally incomplete by itself and is designed to be added to human breast milk.

Similac® Human Milk Fortifier

Ingredients

Nonfat Milk, Whey Protein Concentrate, Corn Syrup Solids, Medium Chain Triglycerides, Calcium Phosphate, Potassium Citrate. **Less than 2%:** Soy Lecithin, Minerals (Magnesium Chloride, Sodium Citrate, Calcium Carbonate, Sodium Chloride, Potassium Phosphate, Zinc Sulfate, Ferrous Sulfate, Cupric Sulfate, Manganese Sulfate, and Sodium Selenate) and Vitamins (Vitamin A Palmitate, Vitamin D_3, d-Alpha-Tocopheryl Acetate, Phylloquinone, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Cyanocobalamin, Niacinamide, Folic Acid, Calcium Pantothenate, Biotin, Ascorbic Acid, and m-Inositol), and Potassium Hydroxide. (FAN 9388-01) **Contains milk and soy ingredients.**

US Patents 6,472,003 and 6,294,206

Nutrition Information of Similac Human Milk Fortifier

Nutrient	Per 1 Packet	Per 4 Packets
Energy, Cal	3.5	14
Protein, g	0.25	1.00
Fat, g	0.09	0.36
Linoleic acid, mg	–	–
Carbohydrate, g	0.45	1.80
Vitamins		
Vitamin A, IU	155	620
Vitamin D, IU	30	120
Vitamin E, IU	0.8	3.2
Vitamin K, mcg	2.1	8.3
Thiamin (Vit. B_1), mcg	58.3	233
Riboflavin (Vit. B_2), mcg	104	417
Vitamin B_6, mcg	53	211
Vitamin B_{12}, mcg	0.16	0.64
Niacin, mcg	893	3570
Folic Acid (Folacin), mcg	5.75	23
Pantothenic Acid, mcg	375	1500
Biotin, mcg	6.5	26
Vitamin C (Ascorbic Acid), mg	6.3	25
Choline, mg	0.5	2.0
Inositol, mg	1	4
Minerals		
Calcium, mg (mEq)	29.25 (1.46)	117 (5.84)
Phosphorus, mg (mEq)	16.8 (0.54)	67 (2.16)
Magnesium, mg	1.75	7.0
Iron, mg†	0.08†	0.35†
Zinc, mg	0.25	1.00
Manganese, mcg	1.8	7.2
Copper, mcg	42.5	170
Iodine, mcg	–	–
Selenium, mcg	0.13	0.50
Sodium, mg (mEq)	3.75 (0.16)	15 (0.65)
Potassium, mg (mEq)	15.75 (0.40)	63 (1.61)
Chloride, mg (mEq)	9.5 (0.27)	38 (1.07)
PRSL, mOsm	2.8	11.2

† Additional iron should be supplied from other sources.

See next page for nutrition information of Similac Human Milk Fortifier + Preterm Human Milk.

Similac® Human Milk Fortifier

Nutrition Information of Preterm Human Milk + Similac Human Milk Fortifier

	100 Cal			1000 mL		
	Preterm Human Milk*	Similac Human Milk Fortifier + Preterm Human Milk* 1 pkt:50 mL	Similac Human Milk Fortifier + Preterm Human Milk* 1 pkt:25 mL	Preterm Human Milk*	Similac Human Milk Fortifier + Preterm Human Milk* 1 pkt:50 mL	Similac Human Milk Fortifier + Preterm Human Milk* 1 pkt:25 mL
Energy, Cal	100	100	100	671	731	790
Volume, mL	149	137	127	1000	1000	1000
Protein, g	2.10	2.58	2.97	14.09	18.84	23.46
% Total Cal	8	10	12	8	10	12
Source	Preterm human milk	Preterm human milk, nonfat milk, whey protein concentrate		Preterm human milk	Preterm human milk, nonfat milk, whey protein concentrate	
Fat, g	5.80	5.50	5.24	38.93	40.18	41.41
% Total Cal	52	49	47	52	49	47
Source	Preterm human milk	Preterm human milk, medium chain triglycerides		Preterm human milk	Preterm human milk, medium chain triglycerides	
Linoleic Acid, mg	550	498	455	3691	3642	3594
Carbohydrate, g	9.9	10.2	10.4	66.4	74.4	82.2
% Total Cal	40	41	42	40	41	42
Source	Lactose	Lactose, corn syrup solids		Lactose	Lactose, corn syrup solids	
Vitamins						
Vitamin A, IU	581	944	1245	3899	6906	9834
Vitamin D, IU	3	84	150	20	612	1188
Vitamin E, IU	1.6	3.6	5.3	10.7	26.4	41.6
Vitamin K, mcg	0.3	6	10	2.0	42.9	82.8
Thiamin (Vit B_1), mcg	31	185	313	208	1355	2471
Riboflavin (Vit B_2), mcg	72	347	574	483	2534	4531
Vitamin B_6, mcg	22	162	278	148	1187	2198
Vitamin B_{12}, mcg	0.07	0.50	0.85	0.47	3.62	6.69
Niacin, mcg	224	2611	4587	1503	19,096	36,225
Folic Acid, mcg	5	20	32	33	146	256
Pantothenic Acid, mcg	269	1256	2072	1805	9181	16,364
Biotin, mcg	0.6	18.1	32.6	4.0	132.2	257.1
Vitamin C, mg	16	31	44	107	229	348
Choline, mg	14	14	14	94	102	109
Inositol, mg	22.0	22.5	22.9	147.7	164.7	181.3
Minerals						
Calcium, mg	37	112	175	248	822	1381
Calcium, mEq	1.9	5.6	8.7	12.4	41.0	68.9
Phosphorus, mg	19	62	98	128	456	777
Magnesium, mg	4.6	8.9	12.4	30.9	65.0	98.2
Iron, mg	0.18	0.40	0.6	1.21	2.92	4.58
Zinc, mg	0.51	1.14	1.65	3.42	8.31	13.07
Manganese, mcg	1	6	10	6	41	76
Copper, mcg	96	202	289	644	1474	2283
Iodine, mcg	16	14	13	107	106	105
Selenium, mcg	2.2	2.3	2.4	14.8	17.0	19.2
Sodium, mg	37	44	49	248	319	388
Sodium, mEq	1.6	1.9	2.1	10.8	13.9	16.9
Potassium, mg	85	119	148	570	874	1169
Potassium, mEq	2.2	3.0	3.8	14.6	22.3	29.9
Chloride, mg	82	100	115	550	730	906
Chloride, mEq	2.3	2.8	3.2	15.6	20.6	25.5
Other Characteristics						
PRSL, mOsm	18.7	24.5	29.3	125.6	179.2	231.5
Water, g	131	119	108	879	867	856
Osmolality, mOsm/kg H_2O	290	343	385	290	343	385

*Composition of preterm human milk varies with maternal diet, stage of lactation, within feedings, diurnally, and among mothers.[1] Values for term human milk have been used for linoleic acid, biotin, choline, inositol, manganese, iodine, and selenium.[2] Values represent mature preterm milk (not colostrum or transitional milk).

1. *Meeting the Special Needs of Low-Birth-Weight and Premature Infants in the Hospital* (A8100). Columbus, Ohio: Abbott Nutrition, Abbott Laboratories, January 1998, p 56.

2. American Academy of Pediatrics Committee on Nutrition: *Pediatric Nutrition Handbook*, 4th ed. Elk Grove Village: American Academy of Pediatrics, 1998:40; 132-135, 217, 258, 655-658.

Human Milk Fortification Options

Nutrients per 100 Cal





	Preterm Human Milk (PTHM)*	PTHM + Similac® Human Milk Fortifier (SHMF) = Fortified Human Milk (FHM)	High Cal FHM	High Cal FHM	High Cal FHM	Similac® Special Care® 30 w/Iron (SSC 30)
Cal/fl oz	**20**	**24**	**26**	**27**	**28**	**30**
Ratios		Mix 1 packet SHMF + 25 mL PTHM	Mix 2 parts FHM + 1 part SSC 30	Mix 1 part FHM + 1 part SSC 30	Mix 1 part FHM + 2 parts SSC 30	
Nutrients						
Energy, Cal	100	100	100	100	100	100
Volume, mL	149	127	116	111	106	99
Protein, g	2.10	2.97	2.98	2.99	2.99	3.0
Fat, g	5.80	5.24	5.78	6.01	6.23	6.61
Carbohydrate, g	9.9	10.4	9.4	8.9	8.5	7.7
Calcium, mg	37	175	177	178	179	180
Phosphorus, mg	19	98	99	99	100	100
Magnesium, mg	4.6	12.4	12.3	12.2	12.1	12
Iron, mg	0.18	0.58	1.1	1.3	1.5	1.8
Zinc, mg	0.51	1.7	1.6	1.6	1.5	1.5
Manganese, mcg	0.9	9.6	11	11	11	12
Copper, mcg	96	289	274	267	261	250
Iodine, mcg	16	13	10	9	8	6.0
Sodium, mg (mEq)	37 (1.6)	49 (2.1)	47 (2.0)	46 (2.0)	45 (2.0)	43 (1.9)
Potassium, mg (mEq)	85 (2.2)	148 (3.8)	141 (3.6)	137 (3.5)	134 (3.4)	129 (3.3)
Chloride, mg (mEq)	82 (2.3)	115 (3.2)	102 (2.9)	96 (2.7)	90 (2.6)	81 (2.3)
Vitamin A, IU	581	1245	1247	1248	1249	1250
Vitamin D, IU	3	150	150	150	150	150
Vitamin E, IU	1.6	5.3	4.8	4.6	4.4	4.0
Vitamin K, mcg	0.3	11	11	11	12	12
Thiamin B_1, mcg	31	313	288	278	268	250
Riboflavin B_2, mcg	72	574	592	600	607	620
Vitamin B_6, mcg	22	278	267	262	258	250
Vitamin B_{12}, mcg	0.07	0.85	0.73	0.68	0.63	0.55
Niacin, mcg	224	4587	4748	4819	4884	5000
Folic Acid, mcg	4.9	32	34	35	36	37
Pantothenic Acid, mcg	269	2072	2005	1975	1948	1900
Biotin, mcg	0.6	33	34	35	36	37
Vitamin C, mg	16	44	41	40	39	37
Choline, mg	14	14	12	12	11	10
Inositol, mg	22	21	30	33	35	40
Potential RSL, mOsm	18.7	29.3	28.7	28.5	28.2	27.8
Approx Osmolality, mOsm/kg water	290	385	365	355	345	325

**Meeting the Special Nutrient Needs of Low-Birth-Weight and Premature Infants in the Hospital* (A8100). Columbus, Ohio: Abbott Nutrition, Abbott Laboratories, January 1998, p 56.

Human Milk Fortification Options

Nutrients per 100 mL

	Preterm Human Milk (PTHM)*	PTHM + Similac® Human Milk Fortifier (SHMF) = Fortified Human Milk (FHM)	High Cal FHM	High Cal FHM	High Cal FHM	Similac® Special Care® 30 w/Iron (SSC 30)
Cal/fl oz	**20**	**24**	**26**	**27**	**28**	**30**
Ratios		Mix 1 packet SHMF + 25 mL PTHM	Mix 2 parts FHM + 1 part SSC 30	Mix 1 part FHM + 1 part SSC 30	Mix 1 part FHM + 2 parts SSC 30	
Nutrients						
Energy, Cal	67	79	86	90	94	101
Volume, mL	100	100	100	100	100	100
Protein, g	1.41	2.35	2.58	2.69	2.81	3.04
Fat, g	3.89	4.14	5.00	5.42	5.85	6.71
Carbohydrate, g	6.6	8.2	8.1	8.0	8.0	7.8
Calcium, mg	25	138	153	160	168	183
Phosphorus, mg	13	78	86	90	94	101
Magnesium, mg	3.1	9.8	10.6	11.0	11.4	12.2
Iron, mg	0.12	0.46	0.91	1.14	1.37	1.83
Zinc, mg	0.34	1.31	1.38	1.41	1.45	1.52
Manganese, mcg	0.6	7.6	9.1	9.9	11	12
Copper, mcg	64	228	237	241	245	254
Iodine, mcg	11	10	9	8	8	6.0
Sodium, mg (mEq)	25 (1.1)	39 (1.7)	40 (1.7)	41 (1.8)	42 (1.8)	44 (1.9)
Potassium, mg (mEq)	57 (1.5)	117 (3.0)	122 (3.1)	124 (3.2)	126 (3.2)	131 (3.4)
Chloride, mg (mEq)	55 (1.6)	91 (2.6)	88 (2.5)	86 (2.5)	85 (2.4)	82 (2.3)
Vitamin A, IU	390	983	1078	1126	1173	1268
Vitamin D, IU	2	119	130	135	141	152
Vitamin E, IU	1.1	4.2	4.1	4.1	4.1	4.1
Vitamin K, mcg	0.2	8.3	9.6	10.2	10.9	12.2
Thiamin B_1, mcg	21	247	249	250	251	254
Riboflavin B_2, mcg	48	453	512	541	570	629
Vitamin B_6, mcg	15	220	231	237	242	254
Vitamin B_{12}, mcg	0.05	0.67	0.63	0.61	0.59	0.56
Niacin, mcg	150	3623	4106	4347	4589	5072
Folic Acid, mcg	3.3	25.6	29.6	31.6	33.6	37.5
Pantothenic Acid, mcg	181	1636	1733	1782	1830	1927
Biotin, mcg	0.4	25.7	29.7	31.6	33.6	37.5
Vitamin C, mg	10.7	34.8	35.7	36.2	36.6	38
Choline, mg	9.4	11	11	11	10	10
Inositol, mg	15	18	26	29	33	41
Potential RSL, mOsm	12.6	23.1	24.8	25.7	26.5	28.2
Approx Osmolality, mOsm/kg water	290	385	365	355	345	325

Note: Proper hygiene, handling, and storage are important when preparing infant feedings. Always follow your hospital's policies and procedures regarding safe handling practices when preparing infant feedings to prevent the possibility of contamination.

Nutrient Comparison of Preterm Human Milk + Similac® Special Care® 30 With Iron (SSC 30 w/Iron) (1:1 ratio)

Nutrient	Key Nutrient Requirements per 100 Cal*		Preterm Human Milk (PTHM)† per 100 Cal	PTHM + SSC 30 w/Iron (100 Cal)‡§	PTHM + SSC 30 w/Iron (100 mL)‡§
	Min	Max			
Energy, Cal	100	100	100	100	84
Volume, mL	–	–	149	119	100
Protein, g	2.5	3.6	2.1	2.64	2.23
Source	Preterm human milk, nonfat milk, whey protein concentrate				
Fat, g	4.4	5.7	5.8	6.29	5.3
Source	Preterm human milk, medium chain triglycerides, soy and coconut oils				
Carbohydrate, g	9.6	12.5	9.9	8.6	7.2
Source	Preterm human milk, corn syrup solids, lactose				
Vitamins					
Vitamin A, IU	700	1254	581	984	829
Vitamin D, IU	75	270	3	91	77
Vitamin E, IU	2.0	8.0	1.6	3.0	2.6
Vitamin K, mcg	4.0	25	0.3	7.3	6.2
Thiamin (Vit B_1), mcg	30	250	31	163	137
Riboflavin (Vit B_2), mcg	80	620	72	402	339
Vitamin B_6, mcg	30	250	22	159	134
Vitamin B_{12}, mcg	0.08	0.7	0.07	0.36	0.30
Niacin, mcg	550	5000	224	3098	2611
Folic Acid, mcg	30	45	5	24	20
Pantothenic Acid, mcg	300	1900	269	1251	1054
Biotin, mcg	1.0	37.0	0.6	22.5	19.0
Vitamin C, mg	8	37	16	29	24
Choline, mg	7	23	14	12	10
Inositol, mg	4	44	22	33	28
Minerals					
Calcium, mg	123	185	37	123	104
Phosphorus, mg	82	109	19	68	57
Magnesium, mg	6.8	17.0	4.6	9.1	7.6
Iron, mg	1.7	3.0	0.18	1.15	1.0
Zinc, mg	1.1	1.5	0.51	1.11	0.93
Manganese, mcg	6	25	1	8	6
Copper, mcg	100	250	96	189	159
Iodine, mcg	6	35	16	10	8
Sodium, mg (mEq)	39	63	37 (1.6)	41	34
Potassium, mg (mEq)	60	160	85 (2.2)	111	94
Chloride, mg (mEq)	60	160	82 (2.3)	81	69
PRSL, mOsm	–	–	18.7	24.2	20.4
Osmolality, mOsm/kg H_2O	–	–	290	310 (estimate)	310 (estimate)

* Life Sciences Research Office recommendations for the FDA for preterm and low-birth-weight infants.[1] Visit http://www.lsro.org/articles/lowbirthweight_rpt.pdf for a summary of the report. **NOTE:** These guidelines are designed for preterm infant formulas, NOT fortified human milk. Thus, these recommendations can serve only as a general guideline relative to fortified human milk.

† The nutrient concentrations listed for preterm human milk are mean human milk levels. The range of nutrients in preterm human milk is highly variable. Therefore, actual nutrient levels may be higher or lower than the levels listed. Human milk values were obtained from: *Meeting the Special Needs of Low-Birth-Weight and Premature Infants in the Hospital.*[2]

‡ Numbers listed are for a 1:1 ratio of Similac Special Care 30 Cal + preterm human milk.

§ When combined with human milk, does not increase concentration of nutrients to levels achieved with Similac® Human Milk Fortifier.

1. Klein CJ: Nutrient requirements for preterm infant formulas. *J Nutr* 2002;132:1395S-1577S.

2. *Meeting the Special Needs of Low-Birth-Weight and Premature Infants in the Hospital* (A8100). Columbus, Ohio: Abbott Nutrition, Abbott Laboratories, January 1998, p 56.


StrongBabies™ System by ABBOTT NUTRITION

StrongBabies™ System by ABBOTT NUTRITION

Description

Abbott Nutrition provides the most comprehensive line of products and services for optimal nutrition of infants.

- Complete line of formulas and support for all feeding choices
- A history of excellence and dedication to nutritional innovations
- An established record of safety. Our infant formulas are backed by over 2,000 separate quality assurance checks
- Healthcare professional and parent education

Features

- **Complete ready-to-use** line of infant formulas and water products—all in 2-fl-oz, lightweight, easy-to-open bottles
  - **43%** easier to open compared to Enfamil® LIPIL® bottles*
  - **Twist:** Break the tamper-evident seal, which is easier with just a few turns
  - **Click:** Listen for the clicks, which replace the "pop" to assure safety
  - **Open:** To give babies a strong start

* Measured as peak torque (in inches/lb) required to remove the cap off of a 2-fl-oz hospital bottle (Similac® vs Enfamil). Data on file, 2008, Abbott Nutrition, Abbott Laboratories, Columbus, Ohio.

Enfamil and LIPIL are trademarks of a company other than Abbott Laboratories.

- **Complete line of ready-to-feed premature infant formulas**—including Similac® Special Care® 30 With Iron, the highest caloric density preterm formula and suitable for use as a human milk fortifier
  - **Safe**—commercially sterile liquid NICU formulas meet FDA, ADA, and CDC† recommendations to reduce risks of contamination from mixing powders.[1-3]
  - **Liqui-Mix™ Preparation**—Similac Special Care products mix easily using the Liqui-Mix system for safe‡ delivery of high-calorie, nutrient-dense formulas
- **Complete line of nipples**—designed for versatility and reliability; home delivery available
- **Volu-Feed® Volumetric Feeding System**—for accurate measurement of formula intake

1. Robbins ST, Beker LT. Infant Feedings: *Guidelines for Preparation of Formula and Breastmilk in Health Care Facilities*. American Dietetic Association, 2004. A synopsis is available at: http://www.eatright.org/cps/rde/xchg/ada/hs.xsl/nutrition_1562_ENU-HTML.htm. Accessed November 22, 2008.
2. Centers for Disease Control and Prevention. *Enterobacter sakazakii* infections associated with the use of powdered infant formula—Tennessee, 2001. Available at: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5114a1.htm. Accessed November 22, 2008.
3. US Food and Drug Administration, Center for Food Safety and Applied Nutrition, Office of Nutritional Products, Labeling and Dietary Supplements. Health professionals letter on *Enterobacter sakazakii* infections associated with use of powdered (dry) infant formulas in neonatal intensive care units. Available at: http://www.cfsan.fda.gov/~dms/inf-ltr3.html. Accessed November 22, 2008.

† US Food and Drug Administration, American Dietetic Association, Centers for Disease Control and Prevention.

‡ Proper hygiene, handling, and storage are important when preparing infant formulas. Always follow your hospital's policies and procedures regarding safe handling practices when preparing infant feedings to prevent the possibility of contamination.

Availability

See individual product listings.

StrongBabies™ System by ABBOTT NUTRITION

Term Infant Formulas

Similac Advance EarlyShield™
(20 Cal/fl oz)
48/Case
#53365

Similac® Organic
(20 Cal/fl oz)
48/Case
#59886

Similac Sensitive®
(20 Cal/fl oz)
48/Case
#59742

Products for Premature Infants

Similac® Human Milk Fortifier
(3/50-pkt ctn)
150/Case
#54598

Similac® Special Care® 20 With Iron
(20 Cal/fl oz)
48/Case
#52418

Similac® Special Care® 20 Low Iron
(20 Cal/fl oz)
48/Case
#51020

Similac® Special Care® 24 With Iron
(24 Cal/fl oz)
48/Case
#51024

Metabolic and Special Products

EleCare®
14.1-oz Powder
6/Case
Unflavored #53510*
Unflavored #54665
Vanilla #59405

* Now with DHA/ARA

Similac® PM 60/40
14.1-oz Powder
6/Case
#00850

Hydration/ Waters

Water (Sterilized)
For Oral Use
48/Case
#51000

Similac® 5% Glucose Water
(6 Cal/fl oz)
48/Case
#51002

Breastfeeding Support

Breast Milk Storage 2-fl-oz Plastic Bottles
4/pkg
#57752

Nipples, Bottles and Caps

Similac® Slow Flow Nipple & Ring
250/Case
#53894

Similac® Infant Nipple & Ring
250/Case
#00079

Cleft Palate Assembly
Contact your Abbott Nutrition Representative
3/pkg
#00070

The nutritional support you need to make every FIRST day the best day possible.

Similac® Isomil® Advance®

(20 Cal/fl oz)
48/Case
#56980

Similac® Alimentum®

(20 Cal/fl oz)
48/Case
#59738

Similac® With Iron 24

(24 Cal/fl oz)
48/Case
#51016

Similac® Special Care® 24 Low Iron

(24 Cal/fl oz)
48/Case
#51022

Similac® Special Care® 24 High Protein

(24 Cal/fl oz)
48/Case
#50849

Similac® Special Care® 30 With Iron

(30 Cal/fl oz)
48/Case
#59439

Similac® NeoSure®

(22 Cal/fl oz)
48/Case
#59649

Polycose®

12.3-oz Powder
6/Case
#00746

Abbott Nutrition Metabolic Formula System

Similac® 10% Glucose Water

(12 Cal/fl oz)
48/Case
#51004

Pedialyte® Unflavored

(3 Cal/fl oz)
48/Case
#59892

Water (Sterilized)

1-Liter Plastic Bottle
8/Case
#58037

Breast Milk Storage 4-fl-oz Plastic Bottles

3/pkg
#51950

Breast Milk Storage Bottle Caps

250/Case
#54080

Similac® Premature Nipple & Ring

250/Case
#00094

Similac® Orthodontic Nipple & Ring

250/Case
#50512

Volu-Feed® 60-mL Nurser

100/Case
#00180

Volu-Feed® Dispensing Cap

250/Case
#00081

8-fl-oz Plastic Bottle

144/Case
#00875

Similac® With Iron 24

Infant Formula

Description/Indications

- When an iron-fortified feeding of increased caloric density is desired.
- Kosher, Halal

Availability: Hospital/Institutional

StrongBabies™ System

Size	Container	List No.
Ready To Feed: (20 Cal/fl oz)		
2 fl oz	plastic bottle; 48/case	51016

Preparation

READY TO FEED: Do not dilute.

Ingredients

Water, nonfat milk, lactose, soy oil, coconut oil, ascorbic acid, mono- and diglycerides, soy lecithin, carrageenan, ferrous sulfate, choline chloride, taurine, m-inositol, alpha-tocopheryl acetate, zinc sulfate, niacinamide, calcium pantothenate, cupric sulfate, vitamin A palmitate, thiamine chloride hydrochloride, riboflavin, pyridoxine hydrochloride, folic acid, manganese sulfate, phylloquinone, biotin, sodium selenite, vitamin D_3 and cyanocobalamin. (FAN 9388-03) **Contains milk and soy ingredients.**

Water (Sterilized)

Ready To Feed

Description/Indications

- As an initial feeding
- Use as directed by physician
- For oral use only
- Halal

Availability

Size	Container	List No.
2 fl oz	plastic bottle; 48/case	51000
1 L	reclosable plastic bottle; 8/case	58037

(FAN 9307)

Similac® 5% Glucose Water

Ready To Feed

Description/Indications

- For initial or supplemental feeding as directed by physician
- For oral use only
- Kosher, Halal

Precautions

- **Never use a microwave to warm mixture.** Serious burns may result.
- Do not store opened bottles.
- Do not store at extreme temperatures.

Availability

Size	Container	List No.
2 fl oz	plastic bottle; 48/case	51002

Ingredients

Water and dextrose solution. (FAN 9388)

Approximate Analysis (wt/vol)

Cal/fl oz	6	Water	96.6%
Cal/100 mL	20	Dextrose	5.0%

Similac® 10% Glucose Water

Ready To Feed

Description/Indications

- For initial or supplemental feeding as directed by physician
- For oral use only
- Kosher, Halal

Precautions

- **Never use a microwave to warm mixture.** Serious burns may result.
- Do not store opened bottles.
- Do not store at extreme temperatures.

Availability

Size	Container	List No.
2 fl oz	plastic bottle; 48/case	51004

Ingredients

Water and dextrose solution. (FAN 9388)

Approximate Analysis (wt/vol)

Cal/fl oz	12	Water	93.7%
Cal/100 mL	40	Dextrose	10.0%

Nipples

Similac® Infant Nipple & Ring
250/Case
#00079

Similac® Orthodontic Nipple & Ring
250/Case
#50512

Similac® Premature Nipple & Ring
250/Case
#00094

Similac® Slow Flow Nipple & Ring
250/Case
#53894

Cleft Palate Assembly
3 nipple assemblies/ packet
#00070
Order from your Abbott Nutrition Representative

Description/Indications

Provides the flexibility to choose a ready-for-use nipple and ring that match each infant's sucking strength or need.

- **Infant** (latex-free)—for infants with developed sucking strength
- **Premature** (latex-free)—for preterm infants with less developed sucking strength
- **Orthodontic** (contains latex)—for newborn infants, to stimulate oral exercise while feeding
- **Slow Flow** (latex-free)—single hole for a more controlled flow rate during feeding
- **Cleft Palate Assembly** (latex-free)—uniquely designed to meet the feeding needs of the infant with cleft palate. Requires minimal sucking. Formula flow can be regulated by gently squeezing the side walls of the attached bottle.

Features

- Nipples and rings individually prepackaged and ready for use
- Nipples and rings form a seal to prevent leakage during feeding
- Disposable—not for reuse
- Easy to use

Warning

- DO NOT use as a pacifier, as it presents a choking hazard
- DO NOT reuse, as reuse can cause deterioration or separation of the rubber, presenting a choking hazard
- Keep out of reach of children

Bottles & Caps

Cleanliness is important. Before preparing and filling bottles, wash your hands thoroughly.

Bottles DO NOT require sterilization before first use. AFTER FIRST USE, follow these directions for preparation and use:

- Wash bottles and caps in hot, soapy water and rinse thoroughly; or wash in top rack of dishwasher.
- Your healthcare professional may recommend that you sterilize bottles before filling them with breast milk.
- Fill bottles with breast milk. Cap and refrigerate or freeze them promptly. If bottles are not filled immediately, replace caps until needed.

Rinse bottle and cap following use to prevent milk from sticking to bottle.

Filled bottles should be stored in refrigerator and used as directed by your healthcare professional. Discard after 72 hours. If breast milk is to be frozen, chill and freeze it immediately after filling bottles. Leave at least a quarter of the bottle as air space, because the milk will expand. Label all bottles with name, date, and time. When ready to use frozen breast milk, swirl bottle under warm tap water to thaw. Feed thawed breast milk right away or refrigerate; do not refreeze.

***WARNING*:** Never use a microwave oven to thaw or heat milk. Serious burns can result.

Description/Indications

Plastic (polypropylene) bottles designed for use in storing breast milk. 40-mm plastic bottle caps fit on 2-fl-oz and 4-fl-oz breast milk storage bottles, the 8-fl-oz plastic bottles, and Volu-Feed® Nurser.

Features

- Bottles are ready for use—do not require sterilization before first use
- Bottles and caps are food-grade quality
- Dishwasher safe (top rack)
- DEHP and Bisphenol A-free

Availability

Size	Container	List No.
Bottles		
2 fl oz	plastic bottle; 4 bottles with caps & 4-pack clip/bag; 36 bags; 144 bottles/case	57752
4 fl oz	plastic bottle; 3 bottles with caps/bag; 48 bags; 144 bottles/case	51950
8 fl oz	plastic bottle; 144/case	00875
Bottle Caps	250/case	54080

Volu-Feed®

Volumetric Feeding System

Description/Indications

When accurate measurement of formula intake is needed (for example, with premature and low-birth-weight infants)

Features

- **Easier to read**
  - Even numbers on one side and odd numbers on the other side (not all on the same side)
  - Numbers centered on the graduation marks
  - Larger, easier to read font
- **Easier to write**
  - Double the writing panel space
- **Lighter-weight plastic**
  - 50,000 pounds less plastic per year (12.5% less plastic per bottle)
  - Polypropylene
  - DEHP and Bisphenol A-Free
- **Ready for use**—in a clean-peel blisterpack
  - Nipple ready

Availability: Hospital/Institutional

Item	Container	List No.
Volu-Feed Nurser	100/case	00180
Volu-Feed Dispensing Caps	250/case	00081

Special Products

EleCare®

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

Description/Indications

EleCare 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. EleCare is indicated for the dietary management of protein maldigestion, malabsorption, severe food allergies, short-bowel syndrome, eosinophilic GI disorders, GI-tract impairment, or other conditions in which an amino acid-based diet is required.

- EleCare Unflavored and EleCare Unflavored with DHA/ARA are for both infants and children
- EleCare Vanilla is for children age 1 year and older
- For oral or tube feeding

Features

- Clinically documented to be hypoallergenic,[1] virtually eliminating the potential for an allergic reaction
- Clinically shown to support growth when used as a primary source of nutrition[2]
- 100% free amino acids as nitrogen source
- Available with DHA and ARA, nutrients that help support brain and eye development
- 33% medium-chain triglycerides, an easily digested and well-absorbed fat source
- Does not contain milk protein, soy protein, fructose, galactose, lactose, or gluten
- Halal

1. Sicherer SH et al. *J Pediatr* 2001;1138:688-693.
2. Borschel MW et al. *J Pediatr Gastroenterol Nutr* 2001;33:393A.

Precautions

- Not for parenteral use
- Use under medical supervision

Availability

Powder: 14.1-oz (400-g) container (measuring scoop enclosed); 6/case

Flavor	List No.
Unflavored	54665
Unflavored with DHA/ARA	53510
Vanilla	59405

Preparation

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

POWDER:

For infants (younger than 1 year): Standard dilution (20 Cal/fl oz) is 1 unpacked, level scoop (9.4 g for each 2 fl oz of water). The contents of one container (400 g), when mixed as directed, will yield approximately 95 fl oz of formula.

For children (older than 1 year): Standard dilution (30 Cal/fl oz) is 4 unpacked, level scoops (37.6 g for each 5 fl oz of water). The contents of one container (400 g), when mixed as directed, will yield approximately 64 fl oz of formula.

EleCare®

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s) (9.4 g)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

EleCare POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard infant)	2	1	2
22	3.5	2	4
24	8	5	9
26	1.5	1	2
27	7	5	8
30 (standard pediatric mixture)	5	4	6

To Prepare 1 Liter (1000 mL, 33.8 fl oz) at Various Caloric Dilutions

Cal/fl oz Desired	Approximate Amount of Water*	Amount of Powder (Unpacked, Level)	Final Volume (Powder + Water)
20 (standard infant mixture)	890 mL (30 fl oz)	1 cup + 1 scoop† (142 g)	1000 mL
30 (standard mixture for >1 year of age)	830 mL (28 fl oz)	1 2/3 cup (213 g)	1000 mL

* Additional water may be needed to make a final volume of 1000 mL.
† "Cup" refers to standard dry measuring cup. "Scoop" refers to enclosed scoop.
1 g Powder displaces 0.74 mL water.

Ingredients

Unflavored: 55.9% Corn Syrup Solids, 9.0% High Oleic Safflower Oil, 7.6% Medium Chain Triglycerides, 6.5% Soy Oil, 2.0% L-Glutamine. **Less than 2% of:** L-Asparagine, L-Leucine, DATEM (an emulsifier), L-Lysine Acetate, Calcium Phosphate, L-Valine, Potassium Phosphate, 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, Choline Chloride, m-Inositol, Salt (Sodium Chloride), Ferrous Sulfate, Taurine, Ascorbyl Palmitate, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Calcium Pantothenate, Thiamine Chloride Hydrochloride, Cupric Sulfate, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Biotin, Phylloquinone, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8230-03)

Unflavored with DHA/ARA: 55.9% Corn Syrup Solids, 8.7% High Oleic Safflower Oil, 7.7% Medium Chain Triglycerides, 6.5% Soy Oil, 2.1% L-Glutamine. **Less than 2% of:** C. Cohnii Oil‡, M. Alpina Oil§, L-Asparagine, L-Leucine, DATEM (an emulsifier), L-Lysine Acetate, Calcium Phosphate, L-Valine, Potassium Phosphate, 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, Choline Chloride, m-Inositol, Salt (Sodium Chloride), Ferrous Sulfate, Taurine, Ascorbyl Palmitate, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Calcium Pantothenate, Thiamine Chloride Hydrochloride, Cupric Sulfate, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Biotin, Phylloquinone, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8475-01)

Vanilla: 55.3% Corn Syrup Solids, 8.9% High Oleic Safflower Oil, 7.5% Medium Chain Triglycerides, 6.4% Soy Oil. **Less than 2% of:** L-Glutamine, L-Asparagine, 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, Choline Chloride, m-Inositol, Salt (Sodium Chloride), Acesulfame K, Ferrous Sulfate, Taurine, Ascorbyl Palmitate, Sucralose, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Calcium Pantothenate, Thiamine Chloride Hydrochloride, Cupric Sulfate, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Biotin, Phylloquinone, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8359-02)

(Percentages refer to the weight of the ingredient per total product weight.)
‡A source of docosahexaenoic acid (DHA)
§A source of arachidonic acid (ARA)

US Patents: 5,221,545; 5,221,766; 6,245,803; and 5,922,766

See next page for nutrition information.

EleCare®

Nutrition Information

	100 Cal Unflavored (21.05 g powder)*	100 g powder Unflavored and Vanilla
Energy, Cal	100	475
Volume, mL	148	—
Protein equivalent, g	3.1	14.5
% Total Cal	15†	15†
Source	Free L-amino acids	
Fat, g	4.8	23
% Total Cal	42	42
Source	High oleic safflower oil, medium chain triglycerides, soy oil (0.15% DHA; 0.40% ARA)‡	
Oil Ratio	39:33:28§	39:33:28§
Linoleic Acid, mg	840	4000
Linolenic Acid, mg	84	400
Carbohydrate, g	10.7	51
% Total Calories	43	43
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	273	1300
Vitamin D, IU	42	200
Vitamin E, IU	2.1	10
Vitamin K, mcg	6	30
Thiamin (Vit B_1), mcg	210	1000
Riboflavin (Vit B_2), mcg	105	500
Vitamin B_6, mcg	84.2	400
Vitamin B_{12}, mcg	0.4	2.0
Niacin, mcg	1680	8000
Folic Acid, mcg	29.5	140
Pantothenic Acid, mcg	421	2000
Biotin, mcg	4.2	20
Vitamin C, mg	9	43
Choline, mg	9.5	45
Inositol, mg	5.1	24
Minerals		
Calcium, mg	116	550
Calcium, mEq	5.8	27.5
Phosphorus, mg	84.2	400
Magnesium, mg	8.4	40
Iron, mg	1.5	7.0
Zinc, mg	0.8	4.0
Manganese, mcg	84	400
Copper, mcg	105	500
Iodine, mcg	8.4	40
Selenium, mcg	2.3	11
Chromium, mcg	2.3	11
Molybdenum, mcg	2.5	12
Sodium, mg	45	215
Sodium, mEq	2.0	9.4
Potassium, mg	150	715
Potassium, mEq	3.9	18.3
Chloride, mg	60	285
Chloride, mEq	1.7	8.0

Osmolality Based on Standard Dilution

	100 g powder Unflavored and Vanilla	100 Cal Unflavored (21.05 g powder)	Prepared at 20 Cal/fl oz	Prepared at 30 Cal/fl oz
PRSL, mOsm	131	28	187/L	280/L
Water, g	—	—	895/L	842/L
Osmolality, mOsm/kg H_2O	—	—	350	560

* Prepared at 20 Cal/fl oz.

† May ME, Hill JO. *Am J Clin Nutr* 1990;52:770-776.

‡ EleCare Unflavored with DHA/ARA.

§ For EleCare Unflavored with DHA and ARA, fat ratio is 38:33:28.

EleCare®

Estimated Nutrient Composition per Liter[‖]

	20 Cal/fl oz	30 Cal/fl oz
Energy, Cal	676	1012
Protein equivalent, g	20.6	30.9
Fat, g	32.7	49
Linoleic Acid, mg	5680	8520
Linolenic Acid, mg	568	852
Carbohydrate, g	72.4	108.6
Vitamins		
Vitamin A, IU	1846	2769
Vitamin D, IU	284	426
Vitamin E, IU	14.2	21.3
Vitamin K, mcg	40.5	63.9
Thiamin (Vit B_1), mcg	1420	2130
Riboflavin (Vit B_2), mcg	710	1065
Vitamin B_6, mcg	568	852
Vitamin B_{12}, mcg	2.8	4.3
Niacin, mcg	11.4	17.0
Folic Acid, mcg	199	298
Pantothenic Acid, mcg	2840	4260
Biotin, mcg	28.4	42.6
Vitamin C, mg	61	92
Choline, mg	64	96
Inositol, mg	34	51
Minerals		
Calcium, mg	781	1172
Phosphorus, mg	568	852
Magnesium, mg	56.8	85.2
Iron, mg	9.9	14.9
Zinc, mg	5.7	8.5
Manganese, mcg	568	852
Copper, mcg	710	1065
Iodine, mcg	57	85
Sodium, mg (mEq)	305 (13.3)	458 (19.9)
Potassium, mg (mEq)	1015 (26)	1523 (38.9)
Chloride, mg (mEq)	405 (11.4)	607 (17.1)
Selenium, mcg	15.6	23.4
Chromium, mcg	15.6	23.4
Molybdenum, mcg	17.1	25.7
Osmolality (mOsm/kg water)	350	560
PRSL, mOsm/L	187	280

[‖] Nutrient values reflect updated product formulation and calculations based on gram weight recipes contained in the "To Prepare 1 Liter at Various Caloric Dilutions" chart on page 79.

Pedialyte®

Oral Electrolyte
Maintenance Solution

Description/Indications

To quickly replace fluids and electrolytes lost during diarrhea and vomiting to help prevent dehydration in infants and children; for maintenance of water and electrolytes following corrective parenteral therapy for diarrhea. Pedialyte is designed to promote fluid absorption more effectively than common household beverages.

Features

- Ready to use
- Balanced electrolytes to replace losses and provide maintenance requirements
- Provides glucose to promote sodium and water absorption
- Unflavored liquid available for young infants
- Great-tasting flavors to enhance compliance in older infants and children
- Reclosable plastic liter bottles allow easy measuring and pouring
- 8-fl-oz single-serving size is easy for children to hold and drink
- Freezer Pops (2.1 fl oz Pedialyte per sleeve) are available in multiple flavors to encourage compliance with fluid intake recommendations for children 1 year of age and older
- Low osmolality (270 mOsm/kg water for flavored; 250 mOsm/kg water for unflavored)
- Lactose-free and gluten-free
- Kosher
- Halal (2-fl-oz & 1-L unflavored, 1-L grape, 1-L bubble gum)

Precautions

- No mixing or diluting is necessary or recommended
- Use under medical supervision

Availability: Hospital/Institutional

StrongBabies™ System	**List No.**
Ready To Use	
2-fl-oz plastic bottle; 48/case	
Unflavored	59892

Availability: Retail

1-Liter (33.8-fl-oz) plastic bottle; 8/case	
Unflavored	00336
Grape	00240
Fruit	00365
Bubble Gum	51752
2.1-fl-oz sleeve Freezer Pops; 8 sixteen-sleeve boxes/case	
Grape, Cherry, Orange, and Blue Raspberry	00245
8-fl-oz plastic bottle; 8 four-pack/case	
Cherry	54981
Apple	57425
Fruit	50087

Dosage

Refer to Administration Guide to restore fluid and minerals lost in diarrhea and vomiting. Pedialyte should be offered frequently in amounts tolerated. Total daily intake should be adjusted to meet individual needs, based on thirst and response to therapy. The suggested intakes for maintenance are based on water requirements for ordinary energy expenditure.*

* Extrapolated from Barness LA, Curran JS: Nutrition, in Nelson WE (sr ed), Behrman RE, Kliegman RM, Arvin AM (eds): *Nelson Textbook of Pediatrics,* ed 15. Philadelphia: WB Saunders Co, 1996, pp 141-143.

Administration Guide for Infants and Young Children

Age		2	3	6	9	1	1½	2	2½	3	3½	4
		Weeks	Months			Years						
Approximate	lb	9	14	18	21	23	26	28	30	32	34	36
Weight[1]	kg	4.0	6.4	8.2	9.5	10.5	11.8	12.7	13.6	14.4	15.3	16.3
Pedialyte for Maintenance[2]	fl oz/day	16 to 20	30 to 34	36 to 42	39 to 45	42 to 47	47 to 52	48 to 53	51 to 56	53 to 57	54 to 57	55 to 59

Administration Guide does not apply to infants younger than 1 week of age. For children older than 4 years of age, maintenance intakes may exceed 2 liters daily. If there is vomiting or fever, or if diarrhea continues beyond 24 hours, consult the child's physician.

1. Weight based on the 50th percentile of weight for age for boys from the National Center for Health Statistics (NCHS) Centers for Disease Control and Prevention (CDC) growth charts. Kuczmarski RJ, Ogden CL, Grummer-Strawn LM, et al: CDC Growth Charts: United States. Data from Vital and Health Statistics of the Centers for Disease Control and Prevention/National Center for Health Statistics. Advance Data, no. 314, December 4, 2000.

2. Fluid intake is total fluid requirement from oral electrolyte solution, formula, or other fluids, but does not take into account ongoing stool losses. Fluid loss in the stool should be replaced by consumption of an extra amount of Pedialyte equal to stool losses, in addition to the fluid maintenance requirement in this Administration Guide. Pedialyte Freezer Pops are to be used with Pedialyte Oral Electrolyte Maintenance Solution or other appropriate fluids to help prevent dehydration.

Nutrition Information

	Unflavored		Flavored		Freezer Pops		Singles
	8 fl oz	1 L	8 fl oz	1 L	8 fl oz	1 L	8 fl oz
Energy, Cal	24	100	24	100	24	100	24
Dextrose, g	5.9	25	4.7	20	5.9	25	4.7
Fructose, g	–	–	1.2	5	–	–	1.2
Sodium, mEq	10.6	45	10.6	45	10.6	45	10.6
Potassium, mEq	4.7	20	4.7	20	4.7	20	4.7
Chloride, mEq	8.3	35	8.3	35	8.3	35	8.3

Ingredients

Unflavored Liquid: Water, Dextrose. **Less than 2% of:** Potassium Citrate, Sodium Chloride, Sodium Citrate and Citric Acid. (FAN 9378-01)

Fruit Flavor Liquid: Water, Dextrose. **Less than 2% of:** Fructose, Citric Acid, Natural and Artificial Fruit Flavors, Potassium Citrate, Sodium Chloride, Sodium Citrate, Sucralose, Acesulfame Potassium and Yellow 6. (FAN 9378-06)

Grape Flavor Liquid: Water, Dextrose. **Less than 2% of:** Fructose, Citric Acid, Potassium Citrate, Sodium Chloride, Artificial Grape Flavor, Sodium Citrate, Sucralose, Acesulfame Potassium, Red 40 and Blue 1. (FAN 9378-04)

Bubble Gum Flavor Liquid: Water, Dextrose. **Less than 2% of:** Fructose, Citric Acid, Potassium Citrate, Sodium Chloride, Sodium Citrate, Artificial Bubble Gum Flavor, Sucralose, Acesulfame Potassium and Red 40. (FAN 9378-04)

Freezer Pops: Water, Dextrose. **Less than 2% of:** Citric Acid, Sodium Chloride, Sodium Carboxymethylcellulose, Potassium Citrate, Potassium Sorbate, Sodium Benzoate, Sucralose and Acesulfame Potassium. (FAN 9003-04)

Grape also contains Natural and Artificial Grape Flavor, Red 40 and Blue 1.

Cherry also contains Natural and Artificial Cherry Flavor and Red 40.

Orange also contains Natural and Artificial Orange Flavor, Yellow 6 and Red 40.

Blue Raspberry also contains Natural and Artificial Blue Raspberry Flavor and Blue 1.

Cherry Singles: Water, Dextrose. **Less than 2% of:** Fructose, Citric Acid, Sodium Chloride, Potassium Citrate, Sodium Citrate, Artificial Cherry Flavor, Potassium Sorbate, Sodium Benzoate, Sucralose, Acesulfame Potassium and Red 40. (FAN 9003-02)

Apple Singles: Water, Dextrose. **Less than 2% of:** Fructose, Citric Acid, Sodium Chloride, Potassium Citrate, Sodium Citrate, Potassium Sorbate, Sodium Benzoate, Artificial Apple Flavor, Caramel Color, Acesulfame Potassium and Sucralose. (FAN 9211-01)

US Patent 4,533,047 (Singles)

Polycose®

Glucose Polymer Module

Description/Indications

Polycose is an easily digested source of carbohydrate calories for use when additional calories are required.

- For tube or oral feeding
- Not for parenteral use

Features

- Rapid absorption (peak glucose response in 30 minutes)
- Reduced osmolality and lowered potential for osmotic diarrhea
- Approximate osmotic contribution to a solution that it is mixed into is 1.6 mOsm/g
- Powder displacement is 0.63 mL/g
- Low renal solute load—0.13 mOsm/g
- Lactose-free and gluten-free
- Kosher, Halal

Precautions

- Polycose is not a balanced diet and is not for use as a sole source of nutrition.
- Do not feed concentrated solutions of Polycose powder.

Availability

Size	Container	List No.
Powder: 12.3-oz (350-g)	container; 6/case	00746

Approximate weights for unpacked, level US standard household measures

Household Measure (US)	Calories
1 Teaspoon (2 g)	8
1 Tablespoon (6 g)	23
1/4 Cup (25 g)	95
1/3 Cup (33 g)	125
1/2 Cup (50 g)	190
1 Cup (100 g)	380

Nutrition Information

	100 g powder
Calories	380
Total Carbohydrate, g	94
Water, g	6
Sodium, mg*	130
Sodium, mEq*	5.7
Potassium, mg*	10
Potassium, mEq*	0.3
Chloride, mg*	223
Chloride, mEq*	6.3
Calcium, mg	30
Calcium, mEq	1.5
Phosphorus, mg*	15

* Does not exceed.

Ingredients

Glucose Polymers derived from controlled hydrolysis of cornstarch. (FAN 8037-02)

Similac® Isomil® DF

Soy Formula for Diarrhea

Description/Indications

For dietary management of diarrhea to help firm loose and watery stools in infants older than 6 months and toddlers.

Features

- First and only nutritionally complete infant formula to contain added dietary fiber (soy) specifically for dietary management of diarrhea (6 g/L)
- Clinically shown to reduce the duration of loose, watery stools during mild to severe diarrhea in older infants
- Clinically shown to be effective in the management of antibiotic-induced diarrhea
- Lactose-free carbohydrate for managing lactose sensitivity
- A unique blend of two carbohydrates using two absorptive pathways to help maximize absorption and minimize malabsorption risks
- Low osmolality (240 mOsm/kg water) to reduce the risk of osmotic diarrhea
- Gluten-free
- Kosher, Halal

Precaution

- Isomil DF should not be fed to infants and toddlers with constipation

Availability

Size	Container	List No.
Ready To Feed: (20 Cal/fl oz)		
8 fl oz	can; 24/case	51276
32 fl oz	bottle; 6/case	57768

Preparation

READY TO FEED: Do not dilute.

Ingredients

85.5% Water, 4.9% Corn Syrup, 2.6% Sugar (Sucrose), 2.1% Soy Oil, 2.0% Soy Protein Isolate, 1.4% Coconut Oil, 0.77% Soy Fiber. **Less than 0.5% of:** Calcium Citrate, Potassium Citrate, Calcium Phosphate, Potassium Phosphate, Potassium Chloride, Monoglycerides, Soy Lecithin, Magnesium Chloride, Carrageenan, Sodium Chloride, Ascorbic Acid, Choline Chloride, L-Methionine, Taurine, Ferrous Sulfate, m-Inositol, Zinc Sulfate, d-Alpha-Tocopheryl Acetate, L-Carnitine, Niacinamide, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Potassium Hydroxide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3 and Cyanocobalamin. (FAN 8226-01) **Contains soy ingredients.**

US Patents 5,021,245; 5,221,545; D419,455; and D416,801

See next page for nutrition information.

Similac® Isomil® DF

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.66	17.99
% Total Cal	11	11
Source	Soy protein isolate, L-methionine	
Fat, g	5.46	36.93
% Total Cal	49	49
Source	Soy and coconut oils	
Oil Ratio	60:40	60:40
Linoleic Acid, mg	1300	8792
Carbohydrate, g	10.1	68.3
% Total Cal	40	40
Source	Corn syrup solids, sugar	
Ratio	60:40	60:40
Dietary Fiber, g	0.9	6.0
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	1.5	10.1
Vitamin K, mcg	11	74
Thiamin (Vit B_1), mcg	60	406
Riboflavin (Vit B_2), mcg	90	609
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.45	3.04
Niacin, mcg	1350	9130
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	750	5072
Biotin, mcg	4.5	30.4
Vitamin C, mg	9	61
Choline, mg	12	81
Inositol, mg	5.0	33.8
Minerals		
Calcium, mg	105	710
Calcium, mEq	5.2	35.4
Phosphorus, mg	75	507
Magnesium, mg	7.5	50.7
Iron, mg	1.8	12.2
Zinc, mg	0.75	5.07
Manganese, mcg	25	169
Copper, mcg	75	507
Iodine, mcg	15	101
Selenium, mcg	1.8	12.2
Sodium, mg	44	298
Sodium, mEq	1.9	12.9
Potassium, mg	108	730
Potassium, mEq	2.8	18.7
Chloride, mg	62	419
Chloride, mEq	1.8	11.8
Other Characteristics		
PRSL, mOsm	24.0	162.6
Water, g	133	899
Osmolality, mOsm/kg H_2O	240	240

Similac® PM 60/40

Low-Iron Infant Formula

Description/Indications

For infants who would benefit from lowered mineral intake, including those with impaired renal function.

Features

- Mineral levels closely approximating the mineral content of human milk (60:40 ratio of whey to casein)
- Calcium-to-phosphorus ratio and content designed to treat serum calcium disorders—both hypercalcemia and hypocalcemia due to hyperphosphatemia
- Gluten-free
- Kosher, Halal

Precautions

- Additional iron should be supplied from other sources
- In conditions where the infant is losing abnormal quantities of one or more electrolytes, it may be necessary to supply electrolytes from sources other than the formula
- It may be necessary to supply low-birth-weight infants weighing less than 1500 g at birth additional calcium, phosphorus, and sodium during periods of rapid growth

Availability

Size	Container	List No.
Powder: (with measuring scoop)		
14.1 oz (400 g); yields 102 fl oz*	container; 6/case	00850

* At standard density of 20 Cal/fl oz

Preparation

POWDER:

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** (8.7g) of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac PM 60/40 POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6
26	1.5	1	2
27	4.25	3	5

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 23 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

See next page for nutrition information.

Similac® PM 60/40

Ingredients

Lactose, High Oleic Safflower Oil, Whey Protein Concentrate, Soy Oil, Coconut Oil, Sodium Caseinate. **Less than 2% of:** Potassium Citrate, Calcium Phosphate, Calcium Carbonate, Magnesium Chloride, Potassium Chloride, Ascorbic Acid, m-Inositol, Sodium Chloride, Choline Chloride, Taurine, Ascorbyl Palmitate, Ferrous Sulfate, Zinc Sulfate, Mixed Tocopherols, L-Carnitine, Niacinamide, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Manganese Sulfate, Potassium Iodide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin and Potassium Hydroxide. (FAN 9311-07) **Contains milk ingredients.**

US Patents 5,221,545 and 6,136,858

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.2	15
% Total Cal	9	9
Source	Whey protein concentrate and sodium caseinate	
Fat, g	5.6	37.9
% Total Cal	50	50
Source	High oleic safflower, soy, and coconut oils	
Oil Ratio	41:30:29	41:30:29
Linoleic Acid, mg	1000	6763
Carbohydrate, g	10.2	69.0
% Total Cal	41	41
Source	Lactose	
Ratio	100	100
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	1.5	10.1
Vitamin K, mcg	8	54
Thiamin (Vit B_1), mcg	100	676
Riboflavin (Vit B_2), mcg	150	1014
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.3	1.7
Niacin, mcg	1050	7101
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	450	3043
Biotin, mcg	5	30.4
Vitamin C, mg	9	61
Choline, mg	12	81
Inositol, mg	24	162
Minerals		
Calcium, mg	56	379
Calcium, mEq	2.8	18.9
Phosphorus, mg	28	189
Magnesium, mg	6	40.6
Iron, mg	0.7	4.7
Zinc, mg	0.8	5.1
Manganese, mcg	5	34
Copper, mcg	90	609
Iodine, mcg	6	41
Selenium, mcg	1.8	12.2
Sodium, mg	24	162
Sodium, mEq	1.0	7.1
Potassium, mg	80	541
Potassium, mEq	2.1	13.8
Chloride, mg	59	399
Chloride, mEq	1.7	11.3
Other Characteristics		
PRSL, mOsm	18.3	124.1
Water, g	134	899
Osmolality, mOsm/kg H_2O	280	280

Metabolic Products

Calcilo XD®

Low-Calcium/Vitamin D-Free
Infant Formula With Iron

Description/Indications

Nutrition support of infants with hypercalcemia, as may occur in infants with Williams syndrome, osteopetrosis, and primary neonatal hyperparathyroidism, and when a low-calcium/vitamin D-free formula is needed.

- Use under medical supervision

Features

- The only commercially available formula for the management of hypercalcemia in infants
- Contains no vitamin D
- Contains only a minimal amount of calcium (less than 50 mg/100 g powder; less than 10 mg/100 Cal)
- Nutritionally complete—when prepared as directed, meets the American Academy of Pediatrics Committee on Nutrition recommendations for all nutrients including vitamins and minerals except calcium, vitamin D, and phosphorus
- Supplemented with L-carnitine (7 mg/100 g) and taurine (35 mg/100 g)
- Eliminates the need to prepare a modular formula
- Lactose-free and gluten-free
- Kosher, Halal

Precautions

- Not for parenteral use
- Calcium, vitamin D, and phosphorus requirements should be determined by appropriate laboratory tests

Availability: Hospital/Institutional

Size	Container	List No.
13.2 oz (375 g)	can (with measuring scoop); 6/case	53328

Preparation

To Make (Approx)	Water (fl oz)	Scoop(s) of Powder (Use scoop in can)
2 fl oz	2	1 unpacked, level (8.6 g)
4 fl oz	4	2 unpacked level
6 fl oz	6	3 unpacked level

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (105 g)** to 24 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding bottles, cap and store in refrigerator. Prepared formula should not be left unrefrigerated.

When mixed as directed, the contents of one can (375 g) will make approximately 96 fl oz of formula.

Approximate weights for unpacked, level US standard dry household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	7 g
1/4 Cup	26 g
1/3 Cup	35 g
1/2 Cup	53 g
1 Cup	105 g

Calcilo XD®

Ingredients

Corn Syrup, Coconut Oil, Corn Oil, Whey Protein Concentrate, Sodium Caseinate; **Less than 1% of:** Potassium Phosphate, Magnesium Chloride, Potassium Chloride, Potassium Citrate, Ascorbic Acid, m-Inositol, Sodium Chloride, Choline Chloride, Ferrous Sulfate, Taurine, Potassium Hydroxide, Zinc Sulfate, d-Alpha-Tocopheryl Acetate, Niacinamide, L-Carnitine, Calcium Pantothenate, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Manganese Sulfate, Potassium Iodide, Phylloquinone, Biotin, Sodium Selenate and Cyanocobalamin. (FAN 8397-04) **Contains milk ingredients.**

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal (at 20 Cal/fl oz)
Energy, Cal	513	100
Volume, mL	—	148
Protein, g	11.4	2.2
% Total Calories	9	9
Source	Whey protein concentrate, sodium caseinate	
Fat, g	28.7	5.6
% Total Calories	50	50
Source	Coconut and corn oils	
Linoleic Acid, mg	6660	1300
Carbohydrate, g	52.3	10.2
% Total Calories	41	41
Source	Corn syrup	
Vitamins		
Vitamin A, IU	1540	300
Vitamin D, IU	0	0
Vitamin E, IU	10.0	1.9
Vitamin K, mcg	41	8
Thiamin (Vit B_1), mcg	513	100
Riboflavin (Vit B_2), mcg	770	150
Vitamin B_6, mcg	310	60
Vitamin B_{12}, mcg	1.3	0.3
Niacin, mcg	5400	1050
Folic Acid (Folacin), mcg	77	15
Pantothenic Acid, mcg	2300	450
Biotin, mcg	23	4.5
Vitamin C, mg	46	9
Choline, mg	62	12
Inositol, mg	123	24
Minerals		
Calcium, mg	<50	<10
Calcium, mEq	<2.5	<0.5
Phosphorus, mg	128	25
Magnesium, mg	31	6
Iron, mg	9.2	1.8
Zinc, mg	3.8	0.8
Manganese, mcg	26	5
Copper, mcg	460	90
Iodine, mcg	31	6
Sodium, mg	125	24
Sodium, mEq	5.4	1.0
Potassium, mg	420	82
Potassium, mEq	10.7	2.1
Chloride, mg	292	57
Chloride, mEq	8.2	1.6
Other Characteristics		
PRSL, mOsm	94	18
Water, g	2.5	134
Osmolality, mOsm/kg H_2O	—	190

Cyclinex®-1

Amino Acid-Modified Medical Food With Iron

Description/Indications

Nutrition support of infants and toddlers with a urea cycle disorder, gyrate atrophy of the choroid and retina, or HHH syndrome.

- Use under medical supervision

Features

- Nonessential amino acid-free to decrease the ingestion of waste nitrogen
- Powder supplemented with L-carnitine (190 mg/100 g) and taurine (40 mg/100 g) to help supply amounts normally found in human milk and foods of animal origin
- Provides approximately 43% of energy as fat to help achieve acceptable formula osmolality
- Provides 6.9% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Contains additional vitamins and minerals to compensate for nutrient losses due to nitrogen-scavenger medications
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet protein and water requirements
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51144

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Cyclinex®-1

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, L-Leucine, L-Lysine Acetate, Calcium Phosphate, L-Valine, DATEM (an emulsifier), L-Isoleucine, Potassium Phosphate, L-Tyrosine, L-Threonine, L-Phenylalanine, Sodium Citrate, Potassium Citrate, Magnesium Chloride, L-Cystine Dihydrochloride, L-Histidine, L-Methionine, L-Tryptophan, Calcium Carbonate, Ascorbic Acid, L-Carnitine, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8488-03)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	510	100
Protein, g	7.5	1.5
Source	L-amino acids	
L-Carnitine, mg	190	37
Fat, g	24.6	4.9
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	3900	765
Linolenic Acid, mg	375	74
Carbohydrate, g	57.0	11.2
% Total Calories	45	45
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	1600	311
Vitamin D, IU	300	59
Vitamin E, IU	17	3
Vitamin K, mcg	60	11.7
Thiamin (Vit B_1), mcg	2000	392
Riboflavin (Vit B_2), mcg	1000	196
Vitamin B_6, mcg	850	167
Vitamin B_{12}, mcg	5.6	1.1
Niacin, mcg	12,000	2353
Folic Acid, mcg	250	49
Pantothenic Acid, mcg	7800	1529
Biotin, mcg	75	14.7
Vitamin C, mg	60	11.8
Choline, mg	100	19.6
Inositol, mg	50	9.8
Minerals		
Calcium, mg	650	127
Calcium, mEq	32.4	6.4
Phosphorus, mg	455	89
Magnesium, mg	55	10.8
Iron, mg	10	2.0
Zinc, mg	9.5	1.9
Manganese, mcg	500	98
Copper, mcg	1250	245
Iodine, mcg	80	15.7
Selenium, mcg	25	4.9
Chromium, mcg	12	2.4
Molybdenum, mcg	13	2.6
Sodium, mg	215	42.2
Sodium, mEq	9.4	1.8
Potassium, mg	760	149
Potassium, mEq	19.4	3.8
Chloride, mg	390	76.5
Chloride, mEq	11.0	2.2
Other Characteristics		
PRSL, mOsm	98	19.2
Osmolality, mOsm/kg H_2O	—	275 (20 Cal/fl oz)

Cyclinex®-2

Amino Acid-Modified Medical Food

Description/Indications

Nutrition support of children and adults with a urea cycle disorder, gyrate atrophy of the choroid and retina, or HHH syndrome.

- Use under medical supervision

Features

- Nonessential amino acid-free to decrease the ingestion of waste nitrogen
- Powder supplemented with L-carnitine (370 mg/100 g) and taurine (60 mg/100 g) to help supply amounts normally found in foods of animal origin
- Provides approximately 35% of energy as fat to help supply essential fatty acids
- Nutrient profile specifically designed for children and adults
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Contains additional vitamins and minerals to compensate for nutrient losses due to nitrogen-scavenger medications
- Lactose-free and gluten-free
- Halal

Precautions

- Do not heat or use in cooking
- Not for parenteral use
- Must be supplemented with protein in prescribed amounts to completely meet protein requirements

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51146

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Cyclinex®-2

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, Soy Oil, L-Leucine, L-Lysine Acetate, L-Valine, Calcium Phosphate, L-Isoleucine, Magnesium Phosphate, Potassium Chloride, L-Tyrosine, L-Threonine, L-Phenylalanine, Silicon Dioxide, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Cystine Dihydrochloride, L-Histidine, L-Methionine, L-Tryptophan, L-Carnitine, Calcium Carbonate, Ascorbic Acid, Taurine, Choline Chloride, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Chromium Chloride, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-04)

US Patent 5,326,569

Nutrition Information

	100 g powder
Energy, Cal	440
Protein equivalent, g	15
Source	L-amino acids
L-Carnitine, mg	370
Fat, g	17
Source	High oleic safflower, coconut, and soy oils
Linoleic Acid, mg	2800
Linolenic Acid, mg	275
Carbohydrate, g	45
Source	Corn syrup solids
Vitamins	
Vitamin A, IU	3025
Vitamin D, IU	325
Vitamin E, IU	24
Vitamin K, mcg	70
Thiamin (Vit B_1), mg	4.0
Riboflavin (Vit B_2), mg	2.4
Vitamin B_6, mg	1.8
Vitamin B_{12}, mcg	7.3
Niacin, mg	21
Folic Acid, mcg	530
Pantothenic Acid, mg	10.9
Biotin, mcg	150
Vitamin C, mg	75
Choline, mg	130
Inositol, mg	110
Minerals	
Calcium, mg	1150
Calcium, mEq	57.4
Phosphorus, mg	1020
Magnesium, mg	300
Iron, mg	17
Zinc, mg	17
Manganese, mg	1.0
Copper, mg	1.3
Iodine, mcg	150
Selenium, mcg	37
Chromium, mcg	37
Molybdenum, mcg	40
Sodium, mg	1175
Sodium, mEq	51.1
Potassium, mg	1800
Potassium, mEq	46.0
Chloride, mg	1325
Chloride, mEq	37.4
Other Characteristics	
PRSL, mOsm	253
Osmolality, mOsm/kg H_2O	1015 (30 Cal/fl oz)

Glutarex®-1

Amino Acid-Modified Medical Food With Iron

Description/Indications

Nutrition support of infants and toddlers with glutaric aciduria type I.

- Use under medical supervision

Features

- Lysine- and tryptophan-free to allow greater intake of intact protein
- Powder fortified with L-carnitine (900 mg/100 g) to help supply amount normally found in human milk and foods of animal origin and to help excrete toxic metabolites
- Powder supplemented with taurine (40 mg/100 g) to help supply amount normally found in human milk and foods of animal origin
- Provides approximately 40% of energy as fat to help achieve acceptable formula osmolality
- Provides 6.6% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet lysine, tryptophan, and water requirements
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51140

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Glutarex®-1

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, L-Glutamic Acid, L-Leucine, L-Proline, L-Aspartic Acid, L-Arginine, Calcium Phosphate, L-Valine, DATEM (an emulsifier), L-Alanine, L-Isoleucine, Glycine, Potassium Phosphate, L-Carnitine, L-Tyrosine, L-Phenylalanine, L-Serine, L-Threonine, Sodium Citrate, Potassium Citrate, Magnesium Chloride, L-Histidine, L-Methionine, Calcium Carbonate, L-Cystine Dihydrochloride, Ascorbic Acid, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-04)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	480	100
Protein equivalent, g	15.0	3.1
Source	L-amino acids	
L-Carnitine, mg	900	188
Fat, g	21.7	4.5
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	3500	729
Linolenic Acid, mg	350	73
Carbohydrate, g	53.0	11.0
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	1400	292
Vitamin D, IU	300	63
Vitamin E, IU	15	3
Vitamin K, mcg	50	10.4
Thiamin (Vit B_1), mcg	1900	396
Riboflavin (Vit B_2), mcg	900	188
Vitamin B_6, mcg	750	156
Vitamin B_{12}, mcg	4.9	1.0
Niacin, mcg	10,000	2083
Folic Acid, mcg	230	48
Pantothenic Acid, mcg	6900	1438
Biotin, mcg	65	13.5
Vitamin C, mg	50	10.4
Choline, mg	80	16.7
Inositol, mg	40	8.3
Minerals		
Calcium, mg	575	120
Calcium, mEq	28.8	6.0
Phosphorus, mg	400	83
Magnesium, mg	50	10
Iron, mg	9	1.9
Zinc, mg	8	1.7
Manganese, mcg	500	104
Copper, mcg	1100	229
Iodine, mcg	65	13.5
Selenium, mcg	20	4.2
Chromium, mcg	11	2.3
Molybdenum, mcg	12	2.5
Sodium, mg	190	39.6
Sodium, mEq	8.3	1.7
Potassium, mg	675	140.6
Potassium, mEq	17.3	3.6
Chloride, mg (mEq)	325	67.7
Chloride, mEq	9.2	1.9
Other Characteristics		
PRSL, mOsm	133	27.8
Osmolality, mOsm/kg H_2O	—	385 (20 Cal/fl oz)

Glutarex®-2

Amino Acid-Modified Medical Food

Description/Indications

Nutrition support of children and adults with glutaric aciduria type I.

- Use under medical supervision

Features

- Lysine- and tryptophan-free to allow greater intake of intact protein
- Powder fortified with L-carnitine (1800 mg/100 g) to help supply amount normally found in foods of animal origin and to help excrete toxic metabolites
- Supplemented with taurine (50 mg/100 g) to help supply amount normally found in foods of animal origin
- Provides approximately 30% of energy as fat to help supply essential fatty acids
- Nutrient profile specifically designed for children and adults
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Do not heat or use in cooking
- Not for parenteral use
- Must be supplemented with protein and water in prescribed amounts to completely meet lysine, tryptophan, and water requirements

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51142

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Glutarex®-2

Ingredients

Corn Syrup Solids, L-Glutamic Acid, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, Soy Oil, L-Leucine, L-Proline, L-Aspartic Acid, L-Arginine, L-Valine, L-Alanine, L-Isoleucine, Calcium Phosphate, Glycine, L-Carnitine, L-Tyrosine, L-Phenylalanine, L-Serine, Magnesium Phosphate, Potassium Chloride, L-Threonine, Silicon Dioxide, L-Histidine, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Methionine, L-Cystine Dihydrochloride, Calcium Carbonate, Ascorbic Acid, Taurine, Choline Chloride, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Chromium Chloride, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-05)

US Patent 5,326,569

Nutrition Information

	100 g powder
Energy, Cal	410
Protein equivalent, g	30
Source	L-amino acids
L-Carnitine, mg	1800
Fat, g	13
Source	High oleic safflower, coconut, and soy oils
Linoleic Acid, mg	2200
Linolenic Acid, mg	225
Carbohydrate, g	35
Source	Corn syrup solids
Vitamins	
Vitamin A, IU	2200
Vitamin D, IU	300
Vitamin E, IU	18
Vitamin K, mcg	60
Thiamin (Vit B_1), mg	3.3
Riboflavin (Vit B_2), mg	1.8
Vitamin B_6, mg	1.3
Vitamin B_{12}, mcg	5.0
Niacin, mg	16
Folic Acid, mcg	430
Pantothenic Acid, mg	8.0
Biotin, mcg	100
Vitamin C, mg	60
Choline, mg	100
Inositol, mg	70
Minerals	
Calcium, mg	880
Calcium, mEq	44.0
Phosphorus, mg	760
Magnesium, mg	225
Iron, mg	13
Zinc, mg	13
Manganese, mg	0.8
Copper, mg	1.0
Iodine, mcg	100
Selenium, mcg	35
Chromium, mcg	27
Molybdenum, mcg	30
Sodium, mg	880
Sodium, mEq	38.3
Potassium, mg	1370
Potassium, mEq	35.0
Chloride, mg	940
Chloride, mEq	26.5
Other Characteristics	
PRSL, mOsm	296
Osmolality, mOsm/kg H_2O	1360 (30 Cal/fl oz)

Hominex®-1

Amino Acid-Modified Medical Food With Iron

Description/Indications

Nutrition support of infants and toddlers with vitamin B_6-nonresponsive homocystinuria or hypermethionemia.

- Use under medical supervision

Features

- Methionine-free to allow greater intake of intact protein
- Supplemented with L-cystine, *in a soluble form,* an essential amino acid that is often deficient in diets of infants and toddlers with homocystinuria
- Powder supplemented with L-carnitine (20 mg/100 g) and taurine (40 mg/100 g) to help supply amounts normally found in human milk and foods of animal origin
- Provides approximately 40% of energy as fat to help achieve acceptable formula osmolality
- Provides 6.6% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet methionine and water requirements
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case.	51116

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Hominex®-1

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, L-Leucine, L-Lysine Acetate, Calcium Phosphate, L-Proline, DATEM (an emulsifier), L-Glutamine, L-Valine, L-Isoleucine, L-Arginine, Potassium Phosphate, Glycine, L-Alanine, L-Tyrosine, L-Phenylalanine, L-Asparagine, L-Serine, L-Threonine, Sodium Citrate, L-Cystine Dihydrochloride, Potassium Citrate, Magnesium Chloride, L-Histidine, Calcium Carbonate, L-Glutamic Acid, Ascorbic Acid, L-Tryptophan, L-Aspartic Acid, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, L-Carnitine, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-03)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	480	100
Protein equivalent, g	15.0	3.1
Source	L-amino acids	
L-Carnitine, mg	20	4
Fat, g	21.7	4.5
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	3500	729
Linolenic Acid, mg	350	73
Carbohydrate, g	53.0	11.0
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	1400	292
Vitamin D, IU	300	63
Vitamin E, IU	15	3
Vitamin K, mcg	50	10.4
Thiamin (Vit B_1), mcg	1900	396
Riboflavin (Vit B_2), mcg	900	188
Vitamin B_6, mcg	750	156
Vitamin B_{12}, mcg	4.9	1.0
Niacin, mcg	10,000	2083
Folic Acid, mcg	230	48
Pantothenic Acid, mcg	6900	1438
Biotin, mcg	65	13.5
Vitamin C, mg	50	10.4
Choline, mg	80	16.7
Inositol, mg	40	8.3
Minerals		
Calcium, mg	575	120
Calcium, mEq	28.8	6.0
Phosphorus, mg	400	83
Magnesium, mg	50	10
Iron, mg	9	1.9
Zinc, mg	8	1.7
Manganese, mcg	500	104
Copper, mcg	1100	229
Iodine, mcg	65	13.5
Selenium, mcg	20	4.2
Chromium, mcg	11	2.3
Molybdenum, mcg	12	2.5
Sodium, mg	190	39.6
Sodium, mEq	8.3	1.7
Potassium, mg	675	140.6
Potassium, mEq	17.3	3.6
Chloride, mg	410	85.4
Chloride, mEq	11.6	2.4
Other Characteristics		
PRSL, mOsm	136	28.3
Osmolality, mOsm/kg H_2O	—	375 (20 Cal/fl oz)

Hominex®-2

Amino Acid-Modified Medical Food

Description/Indications

Nutrition support of children and adults with vitamin B_6-nonresponsive homocystinuria or hypermethionemia.

- Use under medical supervision

Features

- Methionine-free to allow greater intake of intact protein
- Supplemented with L-cystine, *in a soluble form,* an essential amino acid that is often deficient in diets of children and adults with homocystinuria
- Powder supplemented with L-carnitine (40 mg/100 g) and taurine (50 mg/100 g) to help supply amounts normally found in foods of animal origin
- Provides approximately 30% of energy as fat to help supply essential fatty acids
- Nutrient profile specifically designed for children and adults
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Do not heat or use in cooking
- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet methionine and water requirements

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51118

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Hominex®-2

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, Soy Oil, L-Leucine, L-Lysine Acetate, L-Proline, L-Glutamine, L-Valine, Calcium Phosphate, L-Isoleucine, L-Arginine, Glycine, L-Alanine, L-Tyrosine, L-Phenylalanine, Magnesium Phosphate, Potassium Chloride, L-Asparagine, L-Serine, L-Threonine, L-Cystine Dihydrochloride, Silicon Dioxide, L-Histidine, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Glutamic Acid, L-Tryptophan, L-Aspartic Acid, Calcium Carbonate, Ascorbic Acid, Taurine, Choline Chloride, m-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Chromium Chloride, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-04)

US Patent 5,326,569

Nutrition Information

	100 g powder
Energy, Cal	410
Protein equivalent, g	30
Source	L-amino acids
L-Carnitine, mg	40
Fat, g	14
Source	High oleic safflower, coconut, and soy oils
Linoleic Acid, mg	2200
Linolenic Acid, mg	225
Carbohydrate, g	35
Source	Corn syrup solids
Vitamins	
Vitamin A, IU	2200
Vitamin D, IU	300
Vitamin E, IU	18
Vitamin K, mcg	60
Thiamin (Vit B_1), mg	3.3
Riboflavin (Vit B_2), mg	1.8
Vitamin B_6, mg	1.3
Vitamin B_{12}, mcg	5.0
Niacin, mg	16
Folic Acid, mcg	450
Pantothenic Acid, mg	8.0
Biotin, mcg	100
Vitamin C, mg	60
Choline, mg	100
Inositol, mg	70
Minerals	
Calcium, mg	880
Calcium, mEq	44.0
Phosphorus, mg	760
Magnesium, mg	225
Iron, mg	13
Zinc, mg	13
Manganese, mg	0.8
Copper, mg	1.0
Iodine, mcg	100
Selenium, mcg	35
Chromium, mcg	27
Molybdenum, mcg	30
Sodium, mg	880
Sodium, mEq	38.3
Potassium, mg	1370
Potassium, mEq	35.0
Chloride, mg	1160
Chloride, mEq	32.7
Other Characteristics	
PRSL, mOsm	302
Osmolality, mOsm/kg H_2O	1350 (30 Cal/fl oz)

I-Valex®-1

Amino Acid-Modified Medical Food With Iron

Description/Indications

Nutrition support of infants and toddlers with a disorder of leucine catabolism.

- Use under medical supervision

Features

- Leucine-free to allow greater intake of intact protein
- Contains isoleucine and valine to help prevent deficiency of these amino acids
- Powder fortified with L-carnitine (900 mg/100 g) to help supply amount normally found in human milk and foods of animal origin and to help excrete toxic metabolites
- Powder fortified with glycine (1000 mg/100 g) to bind with acyl groups and help enhance their excretion in a nontoxic form
- Provides approximately 40% of energy as fat to help achieve acceptable formula osmolality
- Provides 6.6% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet leucine and water requirements
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51136

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

I-Valex®-1

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, L-Alanine, L-Glutamic Acid, L-Aspartic Acid, L-Proline, L-Lysine Acetate, L-Arginine, Calcium Phosphate, DATEM (an emulsifier), Glycine, Potassium Phosphate, L-Carnitine, L-Tyrosine, L-Phenylalanine, L-Serine, L-Threonine, Sodium Citrate, Potassium Citrate, L-Valine, Magnesium Chloride, L-Isoleucine, L-Histidine, L-Methionine, Calcium Carbonate, L-Cystine Dihydrochloride, Ascorbic Acid, L-Tryptophan, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-04)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	480	100
Protein equivalent, g	15.0	3.1
Source	L-amino acids	
L-Carnitine, mg	900	188
Fat, g	21.7	4.5
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	3500	729
Linolenic Acid, mg	350	73
Carbohydrate, g	53.0	11.0
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	1400	292
Vitamin D, IU	300	63
Vitamin E, IU	15	3
Vitamin K, mcg	50	10.4
Thiamin (Vit B_1), mcg	1900	396
Riboflavin (Vit B_2), mcg	900	188
Vitamin B_6, mcg	750	156
Vitamin B_{12}, mcg	4.9	1.0
Niacin, mcg	10,000	2083
Folic Acid, mcg	230	48
Pantothenic Acid, mcg	6900	1438
Biotin, mcg	65	13.5
Vitamin C, mg	50	10.4
Choline, mg	80	16.7
Inositol, mg	40	8.3
Minerals		
Calcium, mg	575	120
Calcium, mEq	28.8	6.0
Phosphorus, mg	400	83
Magnesium, mg	50	10
Iron, mg	9	1.9
Zinc, mg	8	1.7
Manganese, mcg	500	104
Copper, mcg	1100	229
Iodine, mcg	65	13.5
Selenium, mcg	20	4.2
Chromium, mcg	11	2.3
Molybdenum, mcg	12	2.5
Sodium, mg	190	39.6
Sodium, mEq	8.3	1.7
Potassium, mg	675	140.6
Potassium, mEq	17.3	3.6
Chloride, mg	325	67.7
Chloride, mEq	9.2	1.9
Other Characteristics		
PRSL, mOsm	133	27.8
Osmolality, mOsm/kg H_2O	—	375 (20 Cal/fl oz)

I-Valex®-2

Amino Acid-Modified Medical Food

Description/Indications

Nutrition support of children and adults with a disorder of leucine catabolism.

- Use under medical supervision

Features

- Leucine-free to allow greater intake of intact protein
- Contains isoleucine and valine to help prevent deficiency of these amino acids
- Powder fortified with L-carnitine (1800 mg/100 g) to help supply amount normally found in foods of animal origin and to help excrete toxic metabolites
- Powder fortified with glycine (2000 mg/100 g) to bind with acyl groups and help enhance their excretion in a nontoxic form
- Provides approximately 30% of energy as fat to help supply essential fatty acids
- Nutrient profile specifically designed for children and adults
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Do not heat or use in cooking
- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet leucine and water requirements

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51138

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

I-Valex®-2

Ingredients

Corn Syrup Solids, L-Alanine, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, L-Glutamic Acid, Soy Oil, L-Aspartic Acid, L-Arginine, L-Proline, L-Lysine Acetate, Calcium Phosphate, Glycine, L-Carnitine, L-Tyrosine, L-Phenylalanine, Magnesium Phosphate, Potassium Chloride, L-Serine, L-Threonine, Silicon Dioxide, L-Valine, L-Isoleucine, L-Histidine, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Methionine, L-Cystine Dihydrochloride, L-Tryptophan, Calcium Carbonate, Ascorbic Acid, Taurine, Choline Chloride, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Chromium Chloride, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-05)

US Patent 5,326,569

Nutrition Information

	100 g powder
Energy, Cal	410
Protein equivalent, g	30
Source	L-amino acids
L-Carnitine, mg	1800
Fat, g	13
Source	High oleic safflower, coconut, and soy oils
Linoleic Acid, mg	2200
Linolenic Acid, mg	225
Carbohydrate, g	35
Source	Corn syrup solids
Vitamins	
Vitamin A, IU	2200
Vitamin D, IU	300
Vitamin E, IU	18
Vitamin K, mcg	60
Thiamin (Vit B_1), mg	3.3
Riboflavin (Vit B_2), mg	1.8
Vitamin B_6, mg	1.3
Vitamin B_{12}, mcg	5.0
Niacin, mg	16
Folic Acid, mcg	430
Pantothenic Acid, mg	8.0
Biotin, mcg	100
Vitamin C, mg	60
Choline, mg	100
Inositol, mg	70
Minerals	
Calcium, mg	880
Calcium, mEq	44.0
Phosphorus, mg	760
Magnesium, mg	225
Iron, mg	13
Zinc, mg	13
Manganese, mg	0.8
Copper, mg	1.0
Iodine, mcg	100
Selenium, mcg	35
Chromium, mcg	27
Molybdenum, mcg	30
Sodium, mg	880
Sodium, mEq	38.3
Potassium, mg	1370
Potassium, mEq	35.0
Chloride, mg	940
Chloride, mEq	26.5
Other Characteristics	
PRSL, mOsm	296
Osmolality, mOsm/kg H_2O	1390 (30 Cal/fl oz)

Ketonex®-1

Amino Acid-Modified Medical Food With Iron

Description/Indications

Nutrition support of infants and toddlers with maple syrup urine disease (MSUD) or beta-ketothiolase deficiency.

- Use under medical supervision

Features

- Branched-chain amino acid-free to allow greater intake of intact protein
- Powder supplemented with L-carnitine (100 mg/100 g) and taurine (40 mg/100 g) to help supply amounts normally found in human milk and foods of animal origin
- Provides approximately 40% of energy as fat to help achieve acceptable formula osmolality
- Provides 6.6% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet isoleucine, leucine, valine, and water requirements
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51112

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Ketonex®-1

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, L-Alanine, L-Proline, L-Lysine Acetate, L-Arginine, Calcium Phosphate, DATEM (an emulsifier), L-Glutamine, Potassium Phosphate, Glycine, L-Tyrosine, L-Phenylalanine, L-Serine, L-Asparagine, L-Threonine, Sodium Citrate, Potassium Citrate, Magnesium Chloride, L-Histidine, L-Methionine, L-Glutamic Acid, Calcium Carbonate, L-Cystine Dihydrochloride, Ascorbic Acid, L-Tryptophan, L-Aspartic Acid, Choline Chloride, L-Carnitine, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-03)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	480	100
Protein equivalent, g	15.0	3.1
Source	L-amino acids	
L-Carnitine, mg	100	21
Fat, g	21.7	4.5
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	3500	729
Linolenic Acid, mg	350	73
Carbohydrate, g	53.0	11.0
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	1400	292
Vitamin D, IU	300	63
Vitamin E, IU	15	3
Vitamin K, mcg	50	10.4
Thiamin (Vit B_1), mcg	1900	396
Riboflavin (Vit B_2), mcg	900	188
Vitamin B_6, mcg	750	156
Vitamin B_{12}, mcg	4.9	1.0
Niacin, mcg	10,000	2083
Folic Acid, mcg	230	48
Pantothenic Acid, mcg	6900	1438
Biotin, mcg	65	13.5
Vitamin C, mg	50	10.4
Choline, mg	80	16.7
Inositol, mg	40	8.3
Minerals		
Calcium, mg	575	120
Calcium, mEq	28.8	6.0
Phosphorus, mg	400	83
Magnesium, mg	50	10
Iron, mg	9	1.9
Zinc, mg	8	1.7
Manganese, mcg	500	104
Copper, mcg	1100	229
Iodine, mcg	65	13.5
Selenium, mcg	20	4.2
Chromium, mcg	11	2.3
Molybdenum, mcg	12	2.5
Sodium, mg	190	39.6
Sodium, mEq	8.3	1.7
Potassium, mg	675	140.6
Potassium, mEq	17.3	3.6
Chloride, mg	325	67.7
Chloride, mEq	9.2	1.9
Other Characteristics		
PRSL, mOsm	133	27.8
Osmolality, mOsm/kg H_2O	—	365 (20 Cal/fl oz)

Ketonex®-2

Amino Acid-Modified Medical Food

Description/Indications

Nutrition support of children and adults with maple syrup urine disease (MSUD) or beta-ketothiolase deficiency.

- Use under medical supervision

Features

- Branched-chain amino acid-free to allow greater intake of intact protein
- Powder supplemented with L-carnitine (200 mg/100 g) and taurine (50 mg/100 g) to help supply amounts normally found in foods of animal origin
- Provides approximately 30% of energy as fat to help supply essential fatty acids
- Nutrient profile specifically designed for children and adults
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Do not heat or use in cooking
- Not for parenteral use
- Must be supplemented with protein and fluids in prescribed amounts to completely meet isoleucine, leucine, valine, and water requirements

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case.	51114

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Ketonex®-2

Ingredients

Corn Syrup Solids, L-Alanine, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, Soy Oil, L-Proline, L-Lysine Acetate, L-Arginine, L-Glutamine, Calcium Phosphate, Glycine, Magnesium Phosphate, Potassium Chloride, L-Tyrosine, L- Serine, Phenylalanine, L-Asparagine, L-Threonine, Silicon Dioxide, L-Histidine, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Methionine, L-Glutamic Acid, L-Cystine Dihydrochloride, L-Tryptophan, L-Aspartic Acid, Calcium Carbonate, Ascorbic Acid, L-Carnitine, Taurine, Choline Chloride, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Chromium Chloride, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-04)

US Patent 5,326,569

Nutrition Information

	100 g powder
Energy, Cal	410
Protein equivalent, g	30
Source	L-amino acids
L-Carnitine, mg	200
Fat, g	14
Source	High oleic safflower, coconut, and soy oils
Linoleic Acid, mg	2200
Linolenic Acid, mg	225
Carbohydrate, g	35
Source	Corn syrup solids
Vitamins	
Vitamin A, IU	2200
Vitamin D, IU	300
Vitamin E, IU	18
Vitamin K, mcg	60
Thiamin (Vit B_1), mg	3.3
Riboflavin (Vit B_2), mg	1.8
Vitamin B_6, mg	1.3
Vitamin B_{12}, mcg	5.0
Niacin, mg	16
Folic Acid, mcg	450
Pantothenic Acid, mg	8.0
Biotin, mcg	100
Vitamin C, mg	60
Choline, mg	100
Inositol, mg	70
Minerals	
Calcium, mg	880
Calcium, mEq	44.0
Phosphorus, mg	760
Magnesium, mg	225
Iron, mg	13
Zinc, mg	13
Manganese, mg	0.8
Copper, mg	1.0
Iodine, mcg	100
Selenium, mcg	35
Chromium, mcg	27
Molybdenum, mcg	30
Sodium, mg	880
Sodium, mEq	38.3
Potassium, mg	1370
Potassium, mEq	35.0
Chloride, mg	940
Chloride, mEq	26.5
Other Characteristics	
PRSL, mOsm	296
Osmolality, mOsm/kg H_2O	1315 (30 Cal/fl oz)

Phenex™-1

Amino Acid-Modified Medical Food With Iron

Description/Indications

Nutrition support of infants and toddlers with phenylketonuria (PKU) or hyperphenylalaninemia.

- Use under medical supervision

Features

- Phenylalanine-free to allow greater intake of intact protein
- Fortified with L-tyrosine, an essential amino acid that is often deficient in infants with PKU
- Powder supplemented with L-carnitine (20 mg/100 g) and taurine (40 mg/100 g) to help supply amounts normally found in human milk and foods of animal origin
- Provides approximately 40% of energy as fat to help achieve acceptable formula osmolality
- Provides 6.6% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet phenylalanine and water requirements
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51120

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Phenex™-1

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, L-Leucine, L-Tyrosine, L-Proline, L-Lysine Acetate, Calcium Phosphate, L-Glutamine, DATEM (an emulsifier), L-Valine, L-Isoleucine, L-Arginine, Potassium Phosphate, L-Alanine, Glycine, L-Asparagine, L-Serine, L-Threonine, Sodium Citrate, Potassium Citrate, Magnesium Chloride, L-Histidine, L-Methionine, L-Glutamic Acid, Calcium Carbonate, L-Cystine Dihydrochloride, Ascorbic Acid, L-Tryptophan, L-Aspartic Acid, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, L-Carnitine, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-03)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	480	100
Protein equivalent, g	15.0	3.1
Source	L-amino acids	
L-Carnitine, mg	20	4
Fat, g	21.7	4.5
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	3500	729
Linolenic Acid, mg	350	73
Carbohydrate, g	53.0	11.0
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	1400	292
Vitamin D, IU	300	63
Vitamin E, IU	15	3
Vitamin K, mcg	50	10.4
Thiamin (Vit B_1), mcg	1900	396
Riboflavin (Vit B_2), mcg	900	188
Vitamin B_6, mcg	750	156
Vitamin B_{12}, mcg	4.9	1.0
Niacin, mcg	10,000	2083
Folic Acid, mcg	230	48
Pantothenic Acid, mcg	6900	1438
Biotin, mcg	65	13.5
Vitamin C, mg	50	10.4
Choline, mg	80	16.7
Inositol, mg	40	8.3
Minerals		
Calcium, mg	575	120
Calcium, mEq	28.8	6.0
Phosphorus, mg	400	83
Magnesium, mg	50	10
Iron, mg	9	1.9
Zinc, mg	8	1.7
Manganese, mcg	500	104
Copper, mcg	1100	229
Iodine, mcg	65	13.5
Selenium, mcg	20	4.2
Chromium, mcg	11	2.3
Molybdenum, mcg	12	2.5
Sodium, mg	190	39.6
Sodium, mEq	8.3	1.7
Potassium, mg	675	140.6
Potassium, mEq	17.3	3.6
Chloride, mg	325	67.7
Chloride, mEq	9.2	1.9
Other Characteristics		
PRSL, mOsm	133	27.8
Osmolality, mOsm/kg H_2O	—	370 (20 Cal/fl oz)

Phenex®-2

Amino Acid-Modified Medical Food

Description/Indications

Nutrition support of children and adults with phenylketonuria (PKU) or hyperphenylalaninemia.

- Use under medical supervision

Features

- Phenylalanine-free to allow greater intake of intact protein
- Fortified with L-tyrosine, an essential amino acid that is often deficient in patients with PKU
- Powder supplemented with L-carnitine (40 mg/100 g) and taurine (50 mg/100 g) to help supply amounts normally found in foods of animal origin
- Provides approximately 30% of energy as fat to help supply essential fatty acids
- Nutrient profile specifically designed for children and adults
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Do not heat or use in cooking
- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet phenylalanine and water requirements

Availability: Hospital/Institutional

Flavor	Size	Container	List No.
Unflavored	14.1 oz (400 g)	can; 6/case	51122
Vanilla	14.1 oz (400 g)	can; 6/case	55755

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Phenex®-2

Ingredients

Unflavored: Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, Soy Oil, L-Leucine, L-Tyrosine, L-Proline, L-Lysine Acetate, L-Glutamine, L-Valine, Calcium Phosphate, L-Isoleucine, L-Arginine, L-Alanine, Glycine, Magnesium Phosphate, Potassium Chloride, L-Asparagine, L-Serine, L-Threonine, Silicon Dioxide, L-Histidine, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Methionine, L-Glutamic Acid, L-Cystine Dihydrochloride, L-Tryptophan, L-Aspartic Acid, Calcium Carbonate, Ascorbic Acid, Taurine, Choline Chloride, m-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Chromium Chloride, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-04)

Vanilla: Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, Soy Oil, L-Leucine, L-Tyrosine, L-Proline, L-Lysine Acetate, L-Glutamine, L-Valine, Calcium Phosphate, L-Isoleucine, L-Arginine, L-Alanine, Glycine, Artificial Flavors, Magnesium Phosphate, Potassium Chloride, L-Asparagine, L-Serine, L-Threonine, Silicon Dioxide, L-Histidine, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Methionine, L-Glutamic Acid, L-Cystine Dihydrochloride, L-Tryptophan, L-Aspartic Acid, Calcium Carbonate, Ascorbic Acid, Taurine, Choline Chloride, m-Inositol, Sucralose, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Acesulfame K, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Chromium Chloride, Potassium Iodide, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-01)

US Patent 5,326,569

Nutrition Information

	100 g powder
Energy, Cal	410
Protein equivalent, g	30
Source	L-amino acids
L-Carnitine, mg	40
Fat, g	14
Source	High oleic safflower, coconut, and soy oils
Linoleic Acid, mg	2200
Linolenic Acid, mg	225
Carbohydrate, g	35
Source	Corn syrup solids
Vitamins	
Vitamin A, IU	2200
Vitamin D, IU	300
Vitamin E, IU	18
Vitamin K, mcg	60
Thiamin (Vit B_1), mg	3.3
Riboflavin (Vit B_2), mg	1.8
Vitamin B_6, mg	1.3
Vitamin B_{12}, mcg	5.0
Niacin, mg	16
Folic Acid, mcg	450
Pantothenic Acid, mg	8.0
Biotin, mcg	100
Vitamin C, mg	60
Choline, mg	100
Inositol, mg	70
Minerals	
Calcium, mg	880
Calcium, mEq	44.0
Phosphorus, mg	760
Magnesium, mg	225
Iron, mg	13
Zinc, mg	13
Manganese, mg	0.8
Copper, mg	1.0
Iodine, mcg	100
Selenium, mcg	35
Chromium, mcg	27
Molybdenum, mcg	30
Sodium, mg	880
Sodium, mEq	38.3
Potassium, mg	1370
Potassium, mEq	35.0
Chloride, mg	940
Chloride, mEq	26.5
Other Characteristics	
PRSL, mOsm	296
Osmolality, mOsm/kg H_2O	1215 (30 Cal/fl oz) Unflavored
	1290 (30 Cal/fl oz) Vanilla

Pro-Phree®

Protein-Free Energy Module With Iron, Vitamins & Minerals

Description/Indications

Nutrition support of infants and toddlers who require extra calories, minerals, and vitamins and/or protein restriction.

- Use under medical supervision

Features

- Protein-free to permit protein restriction or the addition of extra energy, minerals, and vitamins
- Powder supplemented with L-carnitine (25 mg/100 g) and taurine (50 mg/100 g) to help supply amounts normally found in human milk and foods of animal origin
- Provides approximately 49% of energy as fat to help achieve acceptable formula osmolality
- Provides 7.8% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers. May be used by children and adults.
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be used with a source of intact protein or amino acids and fluid to completely meet nutrient and water requirements
- Not a substitute for standard infant formula or intended for use as the sole source of nutrition
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51148

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Pro-Phree®

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, Calcium Phosphate, DATEM (an emulsifier), Potassium Phosphate, Sodium Citrate, Potassium Citrate, Magnesium Chloride, Calcium Carbonate, Ascorbic Acid, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, L-Carnitine, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-03)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	510	100
Protein equivalent, g	0	0
Source		
Fat, g	28.0	5.5
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	4400	863
Linolenic Acid, mg	400	78
Carbohydrate, g	65.0	12.7
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	2000	392
Vitamin D, IU	300	59
Vitamin E, IU	19	4
Vitamin K, mcg	60	11.7
Thiamin (Vit B_1), mcg	2100	412
Riboflavin (Vit B_2), mcg	1000	196
Vitamin B_6, mcg	970	190
Vitamin B_{12}, mcg	6.5	1.3
Niacin, mcg	14,000	2745
Folic Acid, mcg	300	58.8
Pantothenic Acid, mcg	7000	1373
Biotin, mcg	80	15.7
Vitamin C, mg	70	13.7
Choline, mg	100	19.6
Inositol, mg	50	9.8
Minerals		
Calcium, mg	750	147
Calcium, mEq	37.5	7.3
Phosphorus, mg	525	103
Magnesium, mg	70	13.7
Iron, mg	11.9	2.3
Zinc, mg	11	2.2
Manganese, mcg	700	137
Copper, mcg	1450	284
Iodine, mcg	80	15.7
Selenium, mcg	30	5.9
Chromium, mcg	14	2.8
Molybdenum, mcg	15	2.9
Sodium, mg	250	49
Sodium, mEq	10.9	2.1
Potassium, mg	875	172
Potassium, mEq	22.4	4.4
Chloride, mg	350	69
Chloride, mEq	9.9	1.9
Other Characteristics		
PRSL, mOsm	60	11.8
Osmolality, mOsm/kg H_2O	—	205 (20 Cal/fl oz)

Propimex®-1

Amino Acid-Modified Medical Food With Iron

Description/Indications

Nutrition support of infants and toddlers with propionic or methylmalonic acidemia.

- Use under medical supervision

Features

- Methionine- and valine-free to allow greater intake of intact protein; low in isoleucine and threonine
- Powder fortified with L-carnitine (900 mg/100 g) to help supply amount normally found in human milk and foods of animal origin and to help excrete toxic metabolites
- Powder supplemented with taurine (40 mg/100 g) to supply amount normally found in human milk and foods of animal origin
- Provides approximately 40% of energy as fat to help achieve acceptable formula osmolality
- Provides 6.6% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet isoleucine, methionine, threonine, valine, and water requirements
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51132

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Propimex®-1

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, L-Alanine, L-Glutamic Acid, L-Proline, L-Aspartic Acid, L-Arginine, L-Lysine Acetate, L-Leucine, Calcium Phosphate, DATEM (an emulsifier), Potassium Phosphate, L-Carnitine, L-Tyrosine, L-Phenylalanine, L-Serine, Sodium Citrate, L-Cystine Dihydrochloride, Potassium Citrate, Glycine, Magnesium Chloride, L-Histidine, Calcium Carbonate, Ascorbic Acid, L-Tryptophan, L-Isoleucine, L-Threonine, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-04)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	480	100
Protein equivalent, g	15.0	3.1
Source	L-amino acids	
L-Carnitine, mg	900	188
Fat, g	21.7	4.5
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	3500	729
Linolenic Acid, mg	350	73
Carbohydrate, g	53.0	11.0
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	1400	292
Vitamin D, IU	300	63
Vitamin E, IU	15	3
Vitamin K, mcg	50	10.4
Thiamin (Vit B_1), mcg	1900	396
Riboflavin (Vit B_2), mcg	900	188
Vitamin B_6, mcg	750	156
Vitamin B_{12}, mcg	4.9	1.0
Niacin, mcg	10,000	2083
Folic Acid, mcg	230	48
Pantothenic Acid, mcg	6900	1438
Biotin, mcg	65	13.5
Vitamin C, mg	50	10.4
Choline, mg	80	16.7
Inositol, mg	40	8.3
Minerals		
Calcium, mg	575	120
Calcium, mEq	28.8	6.0
Phosphorus, mg	400	83
Magnesium, mg	50	10
Iron, mg	9	1.9
Zinc, mg	8	1.7
Manganese, mcg	500	104
Copper, mcg	1100	229
Iodine, mcg	65	13.5
Selenium, mcg	20	4.2
Chromium, mcg	11	2.3
Molybdenum, mcg	12	2.5
Sodium, mg	190	39.6
Sodium, mEq	8.3	1.7
Potassium, mg	675	140.6
Potassium, mEq	17.3	3.6
Chloride, mg	410	85.4
Chloride, mEq	11.6	2.4
Other Characteristics		
PRSL, mOsm	136	28.3
Osmolality, mOsm/kg H_2O	—	370 (20 Cal/fl oz)

Propimex®-2

Amino Acid-Modified Medical Food

Description/Indications

Nutrition support of children and adults with propionic or methylmalonic acidemia.

- Use under medical supervision

Features

- Methionine- and valine-free to allow greater intake of intact protein; low in isoleucine and threonine
- Powder fortified with L-carnitine (1800 mg/100 g) to help supply amount normally found in foods of animal origin and to help excrete toxic metabolites
- Powder supplemented with taurine (50 mg/100 g) to help supply amount normally found in foods of animal origin
- Provides approximately 30% of energy as fat to help supply essential fatty acids
- Nutrient profile specifically designed for children and adults
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Do not heat or use in cooking
- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet isoleucine, methionine, threonine, valine, and water requirements

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51134

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Propimex®-2

Ingredients

Corn Syrup Solids, L-Alanine, L-Glutamic Acid, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, Soy Oil, L-Proline, L-Aspartic Acid, L-Arginine, L-Lysine Acetate, L-Leucine, Calcium Phosphate, L-Carnitine, L-Tyrosine, L-Phenylalanine, L-Serine, Magnesium Phosphate, Potassium Chloride, L-Cystine Dihydrochloride, Silicon Dioxide, Glycine, L-Histidine, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Tryptophan, L-Isoleucine, Calcium Carbonate, Ascorbic Acid, L-Threonine, Taurine, Choline Chloride, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Chromium Chloride, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-05)

US Patent 5,326,569

Nutrition Information

	100 g powder
Energy, Cal	410
Protein equivalent, g	30
Source	L-amino acids
L-Carnitine, mg	1800
Fat, g	13
Source	High oleic safflower, coconut, and soy oils
Linoleic Acid, mg	2200
Linolenic Acid, mg	225
Carbohydrate, g	35
Source	Corn syrup solids
Vitamins	
Vitamin A, IU	2200
Vitamin D, IU	300
Vitamin E, IU	18
Vitamin K, mcg	60
Thiamin (Vit B_1), mg	3.3
Riboflavin (Vit B_2), mg	1.8
Vitamin B_6, mg	1.3
Vitamin B_{12}, mcg	5.0
Niacin, mg	16
Folic Acid, mcg	430
Pantothenic Acid, mg	8.0
Biotin, mcg	100
Vitamin C, mg	60
Choline, mg	100
Inositol, mg	70
Minerals	
Calcium, mg	880
Calcium, mEq	44.0
Phosphorus, mg	760
Magnesium, mg	225
Iron, mg	13
Zinc, mg	13
Manganese, mg	0.8
Copper, mg	1.0
Iodine, mcg	100
Selenium, mcg	35
Chromium, mcg	27
Molybdenum, mcg	30
Sodium, mg	880
Sodium, mEq	38.3
Potassium, mg	1370
Potassium, mEq	35.0
Chloride, mg	1160
Chloride, mEq	32.7
Other Characteristics	
PRSL, mOsm	302
Osmolality, mOsm/kg H_2O	1350 (30 Cal/fl oz)

ProViMin®

Protein-Vitamin-Mineral Formula Component With Iron

Description/Indications

For use in management of patients who require a formula modified in carbohydrate, fat, and/or increased protein: abetalipoproteinemia; cholestasis; chylothorax; chylous ascites; fatty acid oxidation defects; glutaric aciduria type II; glycogen storage disease types II, III, and IV; hyperlipoproteinemia type I (fasting chylomicronemia); hypobetalipoproteinemia; lecithin:cholesterol acyltransferase deficiency; lipodystrophy, congenital; lymphangiectasis, intestinal malabsorption of carbohydrate and/or fat; malonyl coenzyme A decarboxylase deficiency; neurologically handicapped patients with low energy needs; supplement for any patient who requires increased protein, minerals, and vitamins; X-linked adrenoleukodystrophy

- Use under medical supervision

Features

- Contains a high-quality source of protein (casein)
- Virtually carbohydrate- and fat-free; provides flexibility in prescribing a formula in which the amount and type of carbohydrate and fat can be added per individual infant's need and tolerance
- Meets the Dietary Reference Intakes and the American Academy of Pediatrics Committee on Nutrition (AAPCON) recommendations for vitamin and mineral intakes for infants when fed at a dilution of 3.25 g protein/100 Cal
- Calcium-to-phosphorus ratio of 1.4:1, which is similar to that of standard infant formulas and meets AAPCON recommendations for that ratio
- Powder supplemented with L-carnitine (40 mg/100 g) and taurine (110 mg/100 g)
- Specially processed to enhance product homogeneity resulting in a powder that mixes easily
- Lactose-free and gluten-free
- Kosher, Halal

Precautions

- Not for parenteral use
- Does not supply sufficient amounts of energy as carbohydrate and fat, or linoleic acid. These nutrients should be supplied from other sources under the supervision of a physician.
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
5.3 oz (150 g)	can; 6/case	50260

Preparation

Follow physician's instructions carefully. To prepare 1000 mL of a 20 Cal/fl oz formula, add 30 g ProViMin, 34 g fat, and 69 g carbohydrate to 900 mL (30 fl oz) water.

Approximate weights for unpacked, level US standard dry measures

Household Measure (US)	Weight (Metric)
1 Tablespoon	2.9 g
1/4 Cup	11 g
1/2 Cup	20 g
2/3 Cup	30 g
1 Cup	44 g

ProViMin®

Ingredients

Sodium Caseinate, Calcium Phosphate, Potassium Citrate, Potassium Chloride; **Less than 2% of:** Magnesium Chloride, Ascorbic Acid, Coconut Oil, Choline Chloride, Ferrous Sulfate, Taurine, m-Inositol, L-Methionine, d-Alpha Tocopheryl Acetate, Zinc Sulfate, Calcium Carbonate, L-Carnitine, Niacinamide, Salt (Sodium Chloride), Calcium Pantothenate, Vitamin A Palmitate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Manganese Sulfate, Potassium Iodide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3 and Cyanocobalamin. (FAN 8572-07) **Contains milk ingredients.**

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal powder
Energy, Cal	313	100
Protein, g	73	23
Source	Casein, L-amino acids	
Fat, g	1.4	0.4
Source	Coconut oil	
Linoleic Acid, mg	0.0	0.0
Carbohydrate, g	2.0	0.6
Source	None added	
Vitamins		
Vitamin A, IU	6740	2150
Vitamin D, IU	1000	320
Vitamin E, IU	67	21
Vitamin K, mcg	90	29
Thiamin (Vit B_1), mcg	2240	716
Riboflavin (Vit B_2), mcg	2020	645
Vitamin B_6, mcg	1350	431
Vitamin B_{12}, mcg	5.6	1.8
Niacin, mcg	24,000	7670
Folic Acid, mcg	320	102
Pantothenic Acid, mcg	10,100	3230
Biotin, mcg	100	32
Vitamin C, mg	200	64
Choline, mg	335	107
Inositol, mg	105	34
Minerals		
Calcium, mg	2400	767
Calcium, mEq	120.0	38.4
Phosphorus, mg	1700	543
Magnesium, mg	200	64
Iron, mg	40	13
Zinc, mg	17	5.4
Manganese, mcg	200	64
Copper, mcg	2100	671
Iodine, mcg	335	107
Selenium, mcg	40	13
Sodium, mg	1200	383
Sodium, mEq	52	17
Potassium, mg	3300	1050
Potassium, mEq	84	27
Chloride, mg	2300	735
Chloride, mEq	65	21
Other Characteristics		
PRSL, mOsm	673	215
Water, g	4.0	1.3
Osmolality, mOsm/kg H_2O	Will vary with the amount of carbohydrate, fat, and water added	

RCF®

No Carbohydrate Added
Soy Formula Base With Iron

Description/Indications

For use in the dietary management of patients unable to tolerate the type or amount of carbohydrate in milk or conventional infant formulas; or seizure disorders requiring a ketogenic diet.

- Not for parenteral use
- Use under medical supervision

Features

- The only commercial formula available for seizure management in infants
- Formulated to allow physician to prescribe type and amount of carbohydrate (that can be tolerated) with the assurance that other nutrient needs will be met
- Soy protein isolate to avoid symptoms of cow's-milk-protein allergy or sensitivity
- L-carnitine (3 mg/100 mL) and taurine (12 mg/100 mL)
- Lactose-free and gluten-free
- Kosher, Halal

Availability: Hospital/Institutional

Size	Container	List No.
Concentrated Liquid:		
13 fl oz (384 mL)	can; 12/case	00108

Preparation

Add water and other ingredients as directed by physician before feeding.
Use only under the supervision of a physician.

Ingredients

87.5% Water, 4.6% Soy Protein Isolate, 2.8% High Oleic Safflower Oil, 2.1% Soy Oil, 2.1% Coconut Oil. **Less than 1% of:** Calcium Phosphate, Potassium Citrate, Potassium Chloride, Magnesium Chloride, Monoglycerides, Soy Lecithin, Carrageenan, Sodium Chloride, L-Methionine, Ascorbic Acid, Potassium Hydroxide, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, Niacinamide, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Phylloquinone, Biotin, Beta-Carotene, Sodium Selenate, Vitamin D_3 and Cyanocobalamin.
(FAN 8631-10) **Contains soy ingredients.**

Nutrition Information

	100 mL concentrated liquid	100 Cal*
Energy, Cal	81	100
Volume, mL	100	148
Protein, g	4.0	3.0
% Total Calories	20	12
Source	Soy protein isolate, L-methionine	
Fat, g	7.2	5.3
% Total Calories	80	48
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	1352	1000
Carbohydrate, g	0.07	10.6
% Total Calories	0	40
Source	Selected by physician	
Vitamins		
Vitamin A, IU	405	300
Vitamin D, IU	81	60
Vitamin E, IU	2.0	1.5
Vitamin K, mcg	15	11
Thiamin (Vit B_1), mcg	80	60
Riboflavin (Vit B_2), mcg	120	90
Vitamin B_6, mcg	80	60
Vitamin B_{12}, mcg	0.6	0.4
Niacin, mcg	1800	1350
Folic Acid, mcg	20	15
Pantothenic Acid, mcg	1000	750
Biotin, mcg	6.1	4.5
Vitamin C, mg	12	9
Choline, mg	15.7	12
Inositol, mg	6.5	5
Minerals		
Calcium, mg	140	105
Calcium, mEq	7.0	5.2
Phosphorus, mg	100	75
Magnesium, mg	10.0	7.5
Iron, mg	2.4	1.8
Zinc, mg	1.0	0.75
Manganese, mcg	34	25
Copper, mcg	100	75
Iodine, mcg	20.3	15
Selenium, mcg	2.4	1.8
Sodium, mg	59.1	44
Sodium, mEq	2.6	1.9
Potassium, mg	146	108
Potassium, mEq	3.7	2.8
Chloride, mg	83	62
Chloride, mEq	2.3	1.8
Other Characteristics		
PRSL, mOsm	35	25.8
Water, g	88	133
Osmolality, mOsm/kg H_2O	90	168

*With carbohydrate and water added. If 52 g of carbohydrate and 12 fl oz of water are mixed with 13 fl oz of RCF.

Tyrex®-1

Amino Acid-Modified Medical Food With Iron

Description/Indications

Nutrition support of infants and toddlers with tyrosinemia type I, II or III.

- Use under medical supervision

Features

- Phenylalanine- and tyrosine-free to allow greater intake of intact protein
- Powder supplemented with L-carnitine (20 mg/100 g) and taurine (40 mg/100 g) to help supply amounts normally found in human milk and foods of animal origin
- Provides approximately 40% of energy as fat to help achieve acceptable formula osmolality
- Provides 6.6% of energy as linoleic acid
- Nutrient profile specifically designed for infants and toddlers
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet phenylalanine, tyrosine, and water requirements
- Do not boil mixture or use terminal sterilization
- **Never use a microwave to warm mixture.** Serious burns can result.

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51128

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Tyrex®-1

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Soy Oil, L-Leucine, L-Proline, L-Lysine Acetate, Calcium Phosphate, L-Arginine, DATEM (an emulsifier), L-Glutamine, L-Valine, L-Isoleucine, L-Alanine, Potassium Phosphate, Glycine, L-Asparagine, L-Serine, L-Threonine, Sodium Citrate, Potassium Citrate, Magnesium Chloride, L-Histidine, L-Methionine, L-Glutamic Acid, Calcium Carbonate, L-Cystine Dihydrochloride, Ascorbic Acid, L-Tryptophan, L-Aspartic Acid, Choline Chloride, Taurine, m-Inositol, Ferrous Sulfate, Zinc Sulfate, Ascorbyl Palmitate, L-Carnitine, dl-Alpha-Tocopheryl Acetate, Niacinamide, Sodium Chloride, Mixed Tocopherols, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Manganese Sulfate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Beta-Carotene, Potassium Iodide, Biotin, Phylloquinone, Sodium Selenate, Chromium Chloride, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-03)

US Patent 5,221,545

Nutrition Information

	100 g powder	100 Cal
Energy, Cal	480	100
Protein equivalent, g	15.0	3.1
Source	L-amino acids	
L-Carnitine, mg	20	4
Fat, g	21.7	4.5
Source	High oleic safflower, coconut, and soy oils	
Linoleic Acid, mg	3500	729
Linolenic Acid, mg	350	73
Carbohydrate, g	53.0	11.0
Source	Corn syrup solids	
Vitamins		
Vitamin A, IU	1400	292
Vitamin D, IU	300	63
Vitamin E, IU	15	3
Vitamin K, mcg	50	10.4
Thiamin (Vit B_1), mcg	1900	396
Riboflavin (Vit B_2), mcg	900	188
Vitamin B_6, mcg	750	156
Vitamin B_{12}, mcg	4.9	1.0
Niacin, mcg	10,000	2083
Folic Acid, mcg	230	48
Pantothenic Acid, mcg	6900	1438
Biotin, mcg	65	13.5
Vitamin C, mg	50	10.4
Choline, mg	80	16.7
Inositol, mg	40	8.3
Minerals		
Calcium, mg	575	120
Calcium, mEq	28.8	6.0
Phosphorus, mg	400	83
Magnesium, mg	50	10
Iron, mg	9	1.9
Zinc, mg	8	1.7
Manganese, mcg	500	104
Copper, mcg	1100	229
Iodine, mcg	65	13.5
Selenium, mcg	20	4.2
Chromium, mcg	11	2.3
Molybdenum, mcg	12	2.5
Sodium, mg	190	39.6
Sodium, mEq	8.3	1.7
Potassium, mg	675	140.6
Potassium, mEq	17.3	3.6
Chloride, mg	325	67.7
Chloride, mEq	9.2	1.9
Other Characteristics		
PRSL, mOsm	133	27.8
Osmolality, mOsm/kg H_2O	—	380 (20 Cal/fl oz)

Tyrex®-2

Amino Acid-Modified Medical Food

Description/Indications

For nutrition support of children and adults with tyrosinemia type I, II, or III.

- Use under medical supervision

Features

- Phenylalanine- and tyrosine-free to allow greater intake of intact protein
- Supplemented with L-carnitine (40 mg/100 g) and taurine (50 mg/100 g) to supply amounts normally found in foods of animal origin
- Provides approximately 30% of energy as fat to help supply essential fatty acids
- Nutrient profile specifically designed for children and adults
- When fed according to the Abbott *Nutrition Support Protocols,* provides adequate amounts of all nutrients
- Lactose-free and gluten-free
- Halal

Precautions

- Do not heat or use in cooking
- Not for parenteral use
- Must be supplemented with protein and fluid in prescribed amounts to completely meet phenylalanine, tyrosine, and water requirements

Availability: Hospital/Institutional

Size	Container	List No.
14.1 oz (400 g)	can; 6/case	51126

Preparation

Follow physician's instructions carefully.

Approximate weights for unpacked, level, dry US standard household measures for powder

Household Measure (US)	Weight (Metric)
1 Tablespoon	8 g
1/4 Cup	30 g
1/3 Cup	40 g
1/2 Cup	60 g
1 Cup	120 g

Tyrex®-2

Ingredients

Corn Syrup Solids, High Oleic Safflower Oil, Coconut Oil, Sodium Citrate, Soy Oil, L-Leucine, L-Proline, L-Lysine Acetate, L-Arginine, L-Glutamine, L-Valine, Calcium Phosphate, L-Isoleucine, L-Alanine, Glycine, Magnesium Phosphate, Potassium Chloride, L-Asparagine, L-Serine, L-Threonine, Silicon Dioxide, L-Histidine, DATEM (an emulsifier), Potassium Citrate, Potassium Phosphate, L-Methionine, L-Glutamic Acid, L-Cystine Dihydrochloride, L-Tryptophan, L-Aspartic Acid, Calcium Carbonate, Ascorbic Acid, Taurine, Choline Chloride, m-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, Niacinamide, dl-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Ascorbyl Palmitate, Mixed Tocopherols, Cupric Sulfate, Manganese Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Potassium Iodide, Chromium Chloride, Beta-Carotene, Biotin, Sodium Selenate, Phylloquinone, Sodium Molybdate, Vitamin D_3 and Cyanocobalamin. (FAN 8070-04)

US Patent 5,326,569

Nutrition Information

	100 g powder
Energy, Cal	410
Protein equivalent, g	30
Source	L-amino acids
L-Carnitine, mg	40
Fat, g	14
Source	High oleic safflower, coconut, and soy oils
Linoleic Acid, mg	2200
Linolenic Acid, mg	225
Carbohydrate, g	35
Source	Corn syrup solids
Vitamins	
Vitamin A, IU	2200
Vitamin D, IU	300
Vitamin E, IU	18
Vitamin K, mcg	60
Thiamin (Vit B_1), mg	3.3
Riboflavin (Vit B_2), mg	1.8
Vitamin B_6, mg	1.3
Vitamin B_{12}, mg	5.0
Niacin, mg	16
Folic Acid, mcg	450
Pantothenic Acid, mg	8.0
Biotin, mcg	100
Vitamin C, mg	60
Choline, mg	100
Inositol, mg	70
Minerals	
Calcium, mg	880
Calcium, mEq	44.0
Phosphorus, mg	760
Magnesium, mg	225
Iron, mg	13
Zinc, mg	13
Manganese, mg	0.8
Copper, mg	1.0
Iodine, mcg	100
Selenium, mcg	35
Chromium, mcg	27
Molybdenum, mcg	30
Sodium, mg	880
Sodium, mEq	38.3
Potassium, mg	1370
Potassium, mEq	35.0
Chloride, mg	940
Chloride, mEq	26.5
Other Characteristics	
PRSL, mOsm	296
Osmolality, mOsm/kg H_2O	1330 (30 Cal/fl oz)

Toddlers & Children

PediaSure®

Complete, Balanced Nutrition®

Prebiotic scFOS® and DHA Omega-3

NutraFlora

WIC®-eligible in all 50 states.*

Description/Indications

PediaSure is a source of complete, balanced nutrition® especially designed for the oral feeding of children 1 to 13 years of age.

- May be used as the sole source of nutrition or as a supplement
- Formulated for oral feeding; may also be tube fed

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
- Meets or exceeds 100% of the DRIs for protein and 25 essential 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
- Prebiotic NutraFlora® scFOS® provide fuel for beneficial bacteria in the digestive tract that help to support a healthy immune system[1-3] †
- Excellent source of DHA omega-3,‡ an important nutrient that helps support brain and eye development[4,5]
- Available in 8-fl-oz cans§ and reclosable plastic bottles to help improve compliance and reduce waste
- "Kid-Approved" flavors help encourage compliance
- Lactose-free‖ and gluten-free
- Kosher, Halal

Precautions

- Not intended for infants under 1 year of age unless specified by a physician
- Not for children with galactosemia
- Not for parenteral use
- Use under medical supervision

1. Bornet FR, Brouns F. Immune-stimulating and gut health-promoting properties of short-chain fructo-oligosaccharides. *Nutr Rev* 2002;60:326-334.
2. Tokunaga T, Nakada Y, Yasuhito T, Hirayama M, Hidaka H. Effects of fructooligosaccharides intake on the intestinal microflora and defecation in healthy volunteers. *Bifidus* 1993;6:143-150.
3. Hidaka H, Eida T, Takizawa T, Tokunaga T, Tashiro Y. Effects of fructooligosaccharides on intestinal flora and human health. *Bifidobact Microflora* 1986;5:37-50.
4. Uauy R, Mena P, Rojas C. Essential fatty acids in early life: structural and functional role. *Proc Nutr Soc* 2000;59(1):3-15.
5. Uauy R, Hoffman DR, Peirano P, et al. Essential fatty acids in visual and brain development. *Lipids* 2001;36(9):885-895.

* WIC is a registered trademark of the US Department of Agriculture and an abbreviation for the Special Supplemental Nutrition Program for Women, Infants, and Children.

† PediaSure sold at retail is labeled 1g dietary fiber.

‡ 32 mg of DHA per 8-fl-oz serving (20% of 160 mg Daily Value).

§ Cans not available at retail.

‖ Not for children with galactosemia.

NutraFlora and scFOS are registered trademarks of GTC Nutrition.

Availability: . . .	Hospital/ Institutional 8-fl-oz can; 24/case	Hospital/ Institutional 8-fl-oz reclosable bottles; 24/case	Retail 8-fl-oz bottle; 6/carton
Flavor	List No.	List No.	List No.
Vanilla	55897	53581	58049
Chocolate	51882	53587	58058
Strawberry	51880	53589	58055
Banana Cream	51884	53591	58052
Berry Cream	53823	—	53818

Ingredients

Banana Cream: 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, Short-Chain Fructooligosaccharides, Cellulose Gel, Magnesium Phosphate, Potassium Citrate, Potassium Chloride, Calcium Phosphate, Artificial Flavor, Calcium Carbonate, Potassium Phosphate, Salt (Sodium Chloride), Cellulose Gum, Choline Chloride, Soy Lecithin, Monoglycerides, C. Cohnii Oil, Ascorbic Acid, m-Inositol, Potassium Hydroxide, 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, Chromium Chloride, Biotin, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Cyanocobalamin and Vitamin D_3. (FAN 8544-03) **Contains soy and milk ingredients.**

Vanilla: 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, Short-Chain Fructooligosaccharides, Natural and Artificial Flavors, Cellulose Gel, Magnesium Phosphate, Potassium Citrate, Potassium Chloride, Calcium Phosphate, Calcium Carbonate, Potassium Phosphate, Salt (Sodium Chloride), Cellulose Gum, Choline Chloride, Soy Lecithin, Monoglycerides, C. Cohnii Oil, Ascorbic Acid, m-Inositol, Potassium Hydroxide, 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, Chromium Chloride, Biotin, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Cyanocobalamin and Vitamin D_3. (FAN 8544-03) **Contains soy and milk ingredients.**

Chocolate: Water, Sugar (Sucrose), Corn Maltodextrin, Milk Protein Concentrate, High Oleic Safflower Oil, Cocoa Powder (processed with alkali), Soy Protein Isolate, Medium-Chain Triglycerides; **Less than 0.5% of:** Short-Chain Fructooligosaccharides, Potassium Chloride, Magnesium Phosphate, Cellulose Gel, Calcium Phosphate, Calcium Carbonate, Natural and Artificial Flavor, Potassium Phosphate, Potassium Citrate, Salt (Sodium Chloride), Choline Chloride, Soy Lecithin, Monoglycerides, C. Cohnii Oil, Ascorbic Acid, Cellulose Gum, Carrageenan, m-Inositol, Turmeric, Potassium Hydroxide, Taurine, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, FD&C Red #3, Manganese Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Chromium Chloride, Biotin, Sodium Selenate, Sodium Molybdate, Potassium Iodide, Phylloquinone, Cyanocobalamin and Vitamin D_3. (FAN 8544-04) **Contains soy and milk ingredients.**

Strawberry: 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, Short-Chain Fructooligosaccharides, Cellulose Gel, Magnesium Phosphate, Natural and Artificial Flavors, Potassium Citrate, Potassium Chloride, Calcium Phosphate, Calcium Carbonate, Potassium Phosphate, Salt (Sodium Chloride), Cellulose Gum, Choline Chloride, Soy Lecithin, Monoglycerides, C. Cohnii Oil, Ascorbic Acid, m-Inositol, Potassium Hydroxide, Carrageenan, Taurine, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, FD&C Red #3, Manganese Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Chromium Chloride, Biotin, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Cyanocobalamin and Vitamin D_3. (FAN 8544-03) **Contains soy and milk ingredients.**

Berry Cream: 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, Short-Chain Fructooligosaccharides, Cellulose Gel, Natural and Artificial Flavors, Magnesium Phosphate, Potassium Citrate, Potassium Chloride, Calcium Phosphate, Calcium Carbonate, Potassium Phosphate, Salt (Sodium Chloride), Cellulose Gum, Ascorbic Acid, Choline Chloride, Soy Lecithin, Monoglycerides, C. Cohnii Oil, m-Inositol, Potassium Hydroxide, Carrageenan, Taurine, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, FD&C Red #3, Manganese Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, FD&C Blue #1, Vitamin A Palmitate, Folic Acid, Chromium Chloride, Biotin, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Cyanocobalamin and Vitamin D_3. (FAN 8550-01) **Contains soy and milk ingredients.**

US Patents 5,416,077;5,908,647; 6,066,344; D497,551; and D502,108

See next page for nutrition information.

PediaSure®

Nutrition Information

	8 fl oz (237 mL)	1000 mL*	1500 mL*
Energy, Cal	237	1000	1500
Protein, g	7	30	44
% Total Cal	12	12	12
Source	Milk protein concentrate, whey protein concentrate†, soy protein isolate		
L-Carnitine, mg	4	17	25
Taurine, mg	17	72	108
Fat, g	9	38	57
% Total Cal	35	35	35
Source	High oleic safflower oil, soy oil, medium chain triglycerides		
Oil Ratio	43:42:15	43:42:15	43:42:15
Carbohydrate, g	31	131	197
% Total Cal	53	53	53
Source	Sucrose, corn maltodextrin		
Ratio			
Vanilla, Strawberry, Berry Cream, & Banana Cream	60:40	60:40	60:40
Chocolate	78:22	78:22	78:22
Dietary Fiber, g	1.7	7.2	10.8
scFOS,‡ g	1	4.2	6.3
Vitamins			
Vitamin A, IU	380	1606	2409
Vitamin D, IU	120	507	761
Vitamin E, IU	5.4	23	34
Vitamin K, mcg	14	59	89
Vitamin C, mg	24	101	152
Folic Acid (Folacin), mcg	71	300	450
Thiamin (Vit B_1), mg	0.64	2.7	4.1
Riboflavin (Vit B_2), mg	0.50	2.1	3.2
Vitamin B_6, mg	0.62	2.6	3.9
Vitamin B_{12}, mcg	1.4	5.9	8.9
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
Minerals			
Calcium, mg	230	972	1458
Calcium, mEq	11.5	49	73
Phosphorus, mg	200	845	1268
Magnesium, mg	47	199	298
Iron, mg	3.3	14	21
Zinc, mg	1.4	5.9	8.9
Manganese, mg	0.36	1.5	2.3
Copper, mg	0.24	1.0	1.5
Iodine, mcg	23	97	146
Selenium, mcg	7.6	32	48
Chromium, mcg	7.1	30	45
Molybdenum, mcg	8.5	36	54
Sodium, mg	90	380	571
Sodium, mEq	3.9	17	25
Potassium, mg	310	1310	1965
Potassium, mEq	7.9	34	50
Chloride, mg	240	1014	1522
Chloride, mEq	6.8	29	43
Other Characteristics			
PRSL, mOsm	65.1	275	413
Water, g	200	845	1268
Osmolality, mOsm/kg H_2O			
Vanilla, Strawberry, Berry Cream & Banana Cream	480	480	480
Chocolate	540	540	540

* Values extrapolated from 8 fl oz

† Chocolate PediaSure does not contain whey protein concentrate

‡ scFOS = short-chain fructooligosaccharides

PediaSure® With Fiber

Complete, Balanced Nutrition®

Prebiotic scFOS® and DHA Omega-3

NutraFlora

WIC®-eligible in all 50 states.*

Description/Indications

PediaSure With Fiber is a source of complete, balanced nutrition® especially designed for the 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
- Formulated for oral feeding; may also be tube fed

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
- Contains 3.2 g of dietary fiber with 1.2 g from soy fiber, 1 g from scFOS®, and 1 g from resistant maltodextrin†
- Meets or exceeds 100% of the DRIs for protein and 25 essential 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
- Prebiotic NutraFlora® scFOS® provide fuel for beneficial bacteria in the digestive tract that help to support a healthy immune system[1-3]
- Excellent source of DHA omega-3,‡ an important nutrient to help support brain and eye development[4,5]
- Also available in 8-fl-oz reclosable plastic bottles to help improve compliance and reduce waste
- "Kid-Approved" vanilla flavor to help encourage compliance
- Lactose-free§ and gluten-free
- Kosher, Halal

Precautions

- Not intended for infants under 1 year of age unless specified by a physician
- Not for children with galactosemia
- Not for parenteral use
- Use under medical supervision

1. Bornet FR, Brouns F. Immune-stimulating and gut health-promoting properties of short-chain fructo-oligosaccharides. *Nutr Rev* 2002;60:326-334.
2. Tokunaga T, Nakada Y, Yasuhito T, Hirayama M, Hidaka H. Effects of fructooligosaccharides intake on the intestinal microflora and defecation in healthy volunteers. *Bifidus* 1993;6:143-150.
3. Hidaka H, Eida T, Takizawa T, Tokunaga T, Tashiro Y. Effects of fructooligosaccharides on intestinal flora and human health. *Bifidobact Microflora* 1986;5:37-50.
4. Uauy R, Mena P, Rojas C. Essential fatty acids in early life: structural and functional role. *Proc Nutr Soc* 2000;59(1):3-15.
5. Uauy R, Hoffman DR, Peirano P, et al. Essential fatty acids in visual and brain development. *Lipids* 2001;36(9):885-895.

* WIC is a registered trademark of the US Department of Agriculture and an abbreviation for the Special Supplemental Nutrition Program for Women, Infants, and Children.

† PediaSure With Fiber sold at retail is labeled 3 g dietary fiber.

‡ 32 mg of DHA per 8-fl-oz serving (20% of 160 mg Daily Value).

§ Not for children with galactosemia.

NutraFlora and scFOS are registered trademarks of GTC Nutrition.

PediaSure® With Fiber

Availability: Hospital/Institutional

8-fl-oz cans; 24/case	List No.
Flavor	
Vanilla	58220
8-fl-oz reclosable bottles; 24/case	
Vanilla	53585

Availability: Retail

8-fl-oz bottles; 6/carton	
Flavor	
Vanilla	58061

Ingredients

Water, Sugar (Sucrose), Corn Maltodextrin, Milk Protein Concentrate, High Oleic Safflower Oil, Soy Oil, Soy Fiber, Soy Protein Isolate, Medium-Chain Triglycerides; **Less than 0.5% of:** Short-Chain Fructooligosaccharides, Natural and Artificial Flavors, Magnesium Phosphate, Potassium Citrate, Potassium Chloride, Calcium Phosphate, Calcium Carbonate, Potassium Phosphate, Salt (Sodium Chloride), Choline Chloride, Soy Lecithin, Monoglycerides, C. Cohnii Oil, Ascorbic Acid, Carrageenan, m-Inositol, Potassium Hydroxide, 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, Chromium Chloride, Biotin, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Cyanocobalamin and Vitamin D_3. (FAN 8544-04) **Contains soy and milk ingredients.**

US Patents 5,908,647, 6,066,344; D497,551, and D502,108.

PediaSure® With Fiber

Nutrition Information			
	8 fl oz (237 mL)	1000 mL*	1500 mL*
Energy, Cal	237	1000	1500
Protein, g	7	30	44
% Total Cal	12	12	12
Source	Milk protein concentrate, soy protein isolate		
L-Carnitine, mg	4	17	25
Taurine, mg	17	72	108
Fat, g	9	38	57
% Total Cal	35	35	35
Source	High oleic safflower oil, soy oil, medium-chain triglycerides		
Oil Ratio	43:42:15	43:42:15	43:42:15
Carbohydrate, g	32	135	203
% Total Cal	53	53	53
Source	Sucrose, corn maltodextrin		
Ratio	61:39	61:39	61:39
Dietary Fiber, g	3.2	13.5	20.3
scFOS,† g	1	4.2	6.3
Vitamins			
Vitamin A, IU	380	1606	2409
Vitamin D, IU	120	507	761
Vitamin E, IU	5.4	23	34
Vitamin K, mcg	14	59	89
Vitamin C, mg	24	101	152
Folic Acid, mcg	71	300	450
Thiamin (Vit B_1), mg	0.64	2.7	4.1
Riboflavin (Vit B_2), mg	0.50	2.1	3.2
Vitamin B_6, mg	0.62	2.6	3.9
Vitamin B_{12}, mcg	1.4	5.9	8.9
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
Minerals			
Calcium, mg	230	972	1458
Calcium, mEq	11.5	49	73
Phosphorus, mg	200	845	1268
Magnesium, mg	47	199	298
Iron, mg	3.3	14	21
Zinc, mg	1.4	5.9	8.9
Manganese, mg	0.36	1.5	2.3
Copper, mg	0.24	1.0	1.5
Iodine, mcg	23	97	146
Selenium, mcg	7.6	32	48
Chromium, mcg	7.1	30	45
Molybdenum, mcg	8.5	36	54
Sodium, mg	90	380	571
Sodium, mEq	3.9	17	25
Potassium, mg	310	1310	1965
Potassium, mEq	7.9	34	50
Chloride, mg	240	1014	1522
Chloride, mEq	6.8	29	43
Other Characteristics			
PRSL, mOsm	65.1	275	413
Water, g	200	844	1266
Osmolality, mOsm/kg H_2O	480	480	480

*Values extrapolated from 8 fl oz
†scFOS = short-chain fructooligosaccharides

PediaSure® Enteral Formula

Complete, Balanced Nutrition®

WIC®-eligible in all 50 states.*

Description/Indications

PediaSure Enteral Formula is a source of complete, balanced nutrition® especially designed for tube feeding children 1 to 13 years of age.

- May be used as the sole source of nutrition or as a supplement
- Formulated for tube feeding; may also be fed orally

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
- Meets or exceeds 100% of the DRIs for protein and 25 essential 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
- Vanilla flavor
- Lactose-free† and gluten-free
- Kosher

Precautions

- Not intended for infants under 1 year of age unless specified by a physician
- Not for children with galactosemia
- Not for parenteral use
- Use under medical supervision

* WIC is a registered trademark of the US Department of Agriculture and an abbreviation for the Special Supplemental Nutrition Program for Women, Infants, and Children.

† Not for children with galactosemia.

Availability

8-fl-oz can; 24/case

Flavor	List No.
Vanilla	51804

Ingredients

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_3 and Cyanocobalamin. (FAN 8245-02, FAN 8156-01)
Contains soy and milk ingredients.

US Patents 5,416,077; 5,908,647; and 6,066,344

PediaSure® Enteral Formula

Nutrition Information

	8 fl oz (237 mL)	1000 mL‡	1500 mL‡
Energy, Cal	237	1000	1500
Protein, g	7.1	30	45
% Total Cal	12	12	12
Source		Milk protein concentrate	
L-Carnitine, mg	4	17	25
Taurine, mg	17	72	108
Fat, g	9.4	40	60
% Total Cal	35	35	35
Source		High oleic safflower oil, soy oil, medium chain triglycerides	
Oil Ratio	43:42:15	43:42:15	43:42:15
Carbohydrate, g	31.4	133	199
% Total Cal	53	53	53
Source		Corn maltodextrin, sucrose	
Ratio	86:14	86:14	86:14
Vitamins			
Vitamin A, IU	380	1606	2409
Vitamin D, IU	120	507	761
Vitamin E, IU	5.4	23	34
Vitamin K, mcg	14	59	89
Vitamin C, mg	24	101	152
Folic Acid, mcg	71	300	450
Thiamin (Vit B_1), mg	0.64	2.7	4.1
Riboflavin (Vit B_2), mg	0.50	2.1	3.2
Vitamin B_6, mg	0.62	2.6	3.9
Vitamin B_{12}, mcg	1.4	5.9	8.9
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
Minerals			
Calcium, mg	230	972	1458
Calcium, mEq	11.5	49	73
Phosphorus, mg	200	845	1268
Magnesium, mg	47	199	298
Iron, mg	3.3	14	21
Zinc, mg	1.4	5.9	8.9
Manganese, mg	0.36	1.5	2.3
Copper, mg	0.24	1.0	1.5
Iodine, mcg	23	97	146
Selenium, mcg	7.6	32	48
Chromium, mcg	7.1	30	45
Molybdenum, mcg	8.5	36	54
Sodium, mg	90	380	571
Sodium, mEq	3.9	17	25
Potassium, mg	310	1310	1965
Potassium, mEq	7.9	34	50
Chloride, mg	240	1014	1522
Chloride, mEq	6.8	29	43
Other Characteristics			
PRSL, mOsm	65.6	277	416
Water, g	202	854	1281
Osmolality, mOsm/kg H_2O	335	335	335

‡Values extrapolated from 8 fl oz

PediaSure® Enteral Formula With Fiber and scFOS®

Complete, Balanced Nutrition®

NutraFlora

WIC®-eligible in all 50 states.*

Description/Indications

PediaSure Enteral Formula With Fiber and scFOS® is a source of complete, balanced nutrition® especially designed for tube feeding children 1 to 13 years of age.

- May be used as the sole source of nutrition or as a supplement
- Formulated for tube feeding; may also be fed orally

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
- Meets or exceeds 100% of the DRIs for protein and 25 essential 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® scFOS®) at a level that is well tolerated by children
- Prebiotic NutraFlora® scFOS® provide fuel for beneficial bacteria in the digestive tract that help to support a healthy immune system[1-3]
- Vanilla flavor
- Lactose-free† and gluten-free
- Kosher

Precautions

- Not intended for infants under 1 year of age unless specified by a physician
- Not for children with galactosemia
- Not for parenteral use
- Use under medical supervision

1. Bornet FR, Brouns F. Immune-stimulating and gut health-promoting properties of short-chain fructo-oligosaccharides. *Nutr Rev* 2002;60:326-334.
2. Tokunaga T, Nakada Y, Yasuhito T, Hirayama M, Hidaka H. Effects of fructooligosaccharides intake on the intestinal microflora and defecation in healthy volunteers. *Bifidus* 1993;6:143-150.
3. Hidaka H, Eida T, Takizawa T, Tokunaga T, Tashiro Y. Effects of fructooligosaccharides on intestinal flora and human health. *Bifidobact Microflora* 1986;5:37-50.

* WIC is a registered trademark of the US Department of Agriculture and an abbreviation for the Special Supplemental Nutrition Program for Women, Infants, and Children.

† Not for children with galactosemia.

NutraFlora and scFOS are registered trademarks of GTC Nutrition.

Availability

8-fl-oz can; 24/case

Flavor	List No.
Vanilla	51806

Ingredients

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_3 and Cyanocobalamin. (FAN 8245-02, FAN 8156-01) **Contains soy and milk ingredients.**

US Patents 5,085,883; 5,908,647; and 6,066,344

PediaSure® Enteral Formula With Fiber and scFOS®

Nutrition Information

	8 fl oz (237 mL)	1000 mL‡	1500 mL‡
Energy, Cal	237	1000	1500
Protein, g	7.1	30	45
% Total Cal	12	12	12
Source		Milk protein concentrate	
L-Carnitine, mg	4	17	25
Taurine, mg	17	72	108
Fat, g	9.4	40	60
% Total Cal	35	35	35
Source		High oleic safflower oil, soy oil, medium-chain triglycerides	
Oil Ratio	43:42:15	43:42:15	43:42:15
Carbohydrate, g	32.7	138	207
% Total Cal	53	53	53
Source		Corn maltodextrin, sucrose	
Ratio	86:14	86:14	86:14
Dietary Fiber, g	1.9	8	12
scFOS,§ g	0.7	3.0	4.4
Vitamins			
Vitamin A, IU	380	1606	2409
Vitamin D, IU	120	507	761
Vitamin E, IU	5.4	23	34
Vitamin K, mcg	14	59	89
Vitamin C, mg	24	101	152
Folic Acid, mcg	71	300	450
Thiamin (Vit B_1), mg	0.64	2.7	4.1
Riboflavin (Vit B_2), mg	0.50	2.1	3.2
Vitamin B_6, mg	0.62	2.6	3.9
Vitamin B_{12}, mcg	1.4	5.9	8.9
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
Minerals			
Calcium, mg	230	972	1458
Calcium, mEq	11.5	49	73
Phosphorus, mg	200	845	1268
Magnesium, mg	47	199	298
Iron, mg	3.3	14	21
Zinc, mg	1.4	5.9	8.9
Manganese, mg	0.36	1.5	2.3
Copper, mg	0.24	1.0	1.5
Iodine, mcg	23	97	146
Selenium, mcg	7.6	32	48
Chromium, mcg	7.1	30	45
Molybdenum, mcg	8.5	36	54
Sodium, mg	90	380	571
Sodium, mEq	3.9	17	25
Potassium, mg	310	1310	1965
Potassium, mEq	7.9	34	50
Chloride, mg	240	1014	1522
Chloride, mEq	6.8	29	43
Other Characteristics			
PRSL, mOsm	65.6	277	416
Water, g	201	850	1274
Osmolality, mOsm/kg H_2O	345	345	345

‡ Values extrapolated from 8 fl oz

§ scFOS = short-chain fructooligosaccharides

PediaSure® NutriPals™

Balanced Nutrition Drink

Description/Indications

PediaSure NutriPals Balanced Nutrition Drink provides smart nutrition to help kids stay strong and healthy.

Features

- Milk-based, balanced nutrition drink
- Contains 22 essential vitamins and minerals
- 7 g of protein per 8-fl-oz bottle
- 44% less sugar per ounce than the leading children's yogurt drinks*
- Variety of flavors kids love
- Lactose-free and gluten-free
- Kosher

Precautions

- Not intended for infants under 1 year of age unless specified by a physician.
- Not for children with galactosemia.
- Not for parenteral use.

* Based on data for children aged 2 to 7

Availability: Retail

8-fl-oz bottle; 4/carton

Flavor	List No.
Vanilla	59548
Chocolate	59557
Strawberry	59554

Ingredients

Strawberry: Water, Sugar (Sucrose), Milk Protein Concentrate, Soy Oil; **Less than 0.5% of:** Whey Protein Concentrate, Soy Protein Isolate, Cellulose Gel, Dextrose, Potassium Citrate, Magnesium Phosphate, Natural and Artificial Flavors, Salt (Sodium Chloride), Calcium Phosphate, Potassium Chloride, Potassium Phosphate, Cellulose Gum, Choline Chloride, Ascorbic Acid, Soy Lecithin, Monoglycerides, Calcium Carbonate, m-Inositol, Carrageenan, Taurine, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, FD&C Red #3, 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_3 and Cyanocobalamin. (FAN 8104-01) **Contains soy and milk ingredients.**

Vanilla: Water, Sugar (Sucrose), Milk Protein Concentrate, Soy Oil; **Less than 0.5% of:** Whey Protein Concentrate, Soy Protein Isolate, Cellulose Gel, Dextrose, Potassium Citrate, Natural and Artificial Flavors, Magnesium Phosphate, Salt (Sodium Chloride), Calcium Phosphate, Potassium Chloride, Potassium Phosphate, Cellulose Gum, Choline Chloride, Ascorbic Acid, Soy Lecithin, Monoglycerides, 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_3 and Cyanocobalamin. (FAN 8104-01) **Contains soy and milk ingredients.**

PediaSure® NutriPals™

Chocolate: Water, Sugar (Sucrose), Milk Protein Concentrate, Soy Oil, Cocoa Powder Processed with Alkali; **Less than 0.5% of:** Cellulose Gel, Dextrose, Magnesium Phosphate, Potassium Citrate, Salt (Sodium Chloride), Potassium Chloride, Calcium Phosphate, Natural and Artificial Flavor, Potassium Phosphate, Cellulose Gum, Choline Chloride, Ascorbic Acid, Soy Lecithin, Monoglycerides, Sucralose, Calcium Carbonate, m-Inositol, Turmeric, Taurine, Acesulfame Potassium, Ferrous Sulfate, dl-Alpha-Tocopheryl Acetate, L-Carnitine, Zinc Sulfate, Calcium Pantothenate, Niacinamide, FD&C Red #3, 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_3 and Cyanocobalamin. (FAN 8104-01) **Contains soy and milk ingredients.**

Nutrition Information

Nutrient	Daily Values (> 4 yrs of age)	8 fl oz svg Vanilla	8 fl oz svg Strawberry	8 fl oz svg Chocolate
Calories		150	150	150
Cal from Fat		45	45	45
Total Fat, g	65	5	5	5
Saturated, g	20	1	1	1
Trans Fat, g		0	0	0
Cholesterol, mg	300	<5	<5	<5
Sodium, mg	2400	90	90	90
Potassium, mg	3500	310	310	370
Total Carbohydrate, g	300	19	19	19
Dietary Fiber, g	25	<1	<1	1
Sugars, g		18	18	16
Protein, g	50	7	7	7
Vitamin A, IU	5000	400	400	400
Vitamin C, mg	60	24	24	24
Calcium, mg	1000	250	250	250
Iron, mg	18	3.6	3.6	3.6
Vitamin D, IU	400	120	120	120
Vitamin E, IU	30	6	6	6
Vitamin K, mcg	80	16	16	16
Thiamin, mg	1.5	0.675	0.675	0.675
Riboflavin, mg	1.7	0.51	0.51	0.51
Niacin, mg	20	2	2	2
Vitamin B_6, mg	2	0.6	0.6	0.6
Folic Acid, mcg	400	80	80	80
Vitamin B_{12}, mcg	6	1.5	1.5	0.6
Biotin, mcg	300	75	45	45
Pantothenic Acid, mg	10	2.5	2.5	2.5
Phosphorus, mg	1000	200	200	200
Iodide, mcg	150	22.5	22.5	22.5
Magnesium, mg	400	40	40	40
Zinc, mg	15	1.5	1.5	1.5
Selenium, mcg	70	7	7	7
Copper, mg	2	0.2	0.2	0.2
Manganese, mg	2	0.4	0.4	0.4
Chromium, mcg	120	N/A	N/A	N/A
Molybdenum, mcg	75	7.5	7.5	7.5

Similac® Go & Grow®

Milk-Based Infant Formula with Iron

Description/Indications

A milk-based, iron-fortified infant formula for older babies 9 to 24 months old. Specially formulated to help bridge the nutritional gaps that can be associated with the transition to table foods.

Features

- DHA and ARA to help support brain and eye development
- Same unique fat blend as Similac Advance EarlyShield™, which has been shown to provide greater absorption of calcium
- 30% Daily Value* for calcium in 8 fl oz for growing bones
- 32% Daily Value* for iron in 8 fl oz for brain development
- 48% Daily Value* for vitamin C (in 8 fl oz), an important antioxidant
- 48% Daily Value* for vitamin E in 8 fl oz
- Over 25 essential minerals and vitamins
- Complements nutrition provided by table food
- Gluten-free
- Kosher, Halal

* Percent daily value (DV) for 1- to 4-year-olds

Availability

Size	Container	List No.
Powder: (with measuring scoop)		
22 oz (623 g); yields 162 fl oz†	container; 6/case	50827

† At standard density of 20 Cal/fl oz

Preparation

POWDER:

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac Go & Grow (Milk-Based) POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6
26	1.5	1	2
27	4.25	3	5

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 23 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding cup or bottle, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Similac® Go & Grow® (Milk-Based)

Ingredients

Nonfat Milk, Lactose, High Oleic Safflower Oil, Soy Oil, Coconut Oil, Whey Protein Concentrate. **Less than 2% of:** C. Cohnii Oil‡, M. Alpina Oil§, Calcium Phosphate, Potassium Citrate, Calcium Carbonate, Ascorbic Acid, Potassium Chloride, Magnesium Chloride, Sodium Chloride, Choline Chloride, Ferrous Sulfate, Ascorbyl Palmitate, Taurine, m-Inositol, d-Alpha-Tocopheryl Acetate, Zinc Sulfate, Mixed Tocopherols, Niacinamide, Calcium Pantothenate, L-Carnitine, Cupric Sulfate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Manganese Sulfate, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3, Cyanocobalamin, Potassium Hydroxide and Potassium Phosphate. (FAN 8361-02) **Contains milk ingredients.**

‡A source of docosahexaenoic acid (DHA)
§A source of arachidonic acid (ARA)

US Patents 5,221,545; 6,136,858; and 6,596,767

Nutrition Information

	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.07	14.00
% Total Cal	8	8
Source	Nonfat milk, whey protein concentrate	
Fat, g	5.49	37.1
% Total Cal	49	49
Source	High oleic safflower, soy, and coconut oils (0.15% DHA; 0.40% ARA)	
Oil Ratio	40:30:29	40:30:29
Linoleic Acid, mg	1000	6763
Carbohydrate, g	10.56	71.42
% Total Cal	43	43
Source	Lactose	
Ratio	100	100
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	3.0	20.3
Vitamin K, mcg	8	54
Thiamin (Vit B_1), mcg	100	676
Riboflavin (Vit B_2), mcg	150	1014
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.25	1.69
Niacin, mcg	1050	7101
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	450	3043
Biotin, mcg	4.4	29.8
Vitamin C, mg	12	81
Choline, mg	16	108
Inositol, mg	4.7	31.8
Minerals		
Calcium, mg	150	1014
Calcium, mEq	7.48	50
Phosphorus, mg	81	548
Magnesium, mg	6.0	40.6
Iron, mg	2.0	13.5
Zinc, mg	0.75	5.07
Manganese, mcg	5	34
Copper, mcg	90	609
Iodine, mcg	6	41
Selenium, mcg	1.8	12.2
Sodium, mg	24	162
Sodium, mEq	1.0	7.1
Potassium, mg	105	710
Potassium, mEq	2.7	18.2
Chloride, mg	65	440
Chloride, mEq	1.8	12.4
Other Characteristics		
PRSL, mOsm	20.0	135.3
Water, g	133	899
Osmolality, mOsm/kg H_2O	300	300

Similac® Go & Grow®

Soy-Based Infant Formula with Iron

Description/Indications

A soy-based, iron-fortified nutritional formula for older babies and toddlers, 9 to 24 months old. Specially formulated to help bridge the nutritional intake gaps that can be associated with the transition to table foods. A lactose-free feeding for older babies when lactose should be avoided, including lactase deficiency, lactose intolerance, and galactosemia.

Features

- Milk-free, lactose-free nutritional formula
- DHA and ARA to help support brain and eye development
- Soy protein isolate to help manage IgE-mediated cow's-milk-protein allergy or sensitivity
- 30% Daily Value* for calcium in 8 fl oz for strong bones
- 32% Daily Value* for iron in 8 fl oz for brain development
- 48% Daily Value* for vitamin C (in 8 fl oz), an important antioxidant
- Over 25 essential minerals and vitamins in 8 fl oz
- A unique blend of two carbohydrates—corn syrup and sucrose—using two absorptive pathways to help maximize absorption and minimize malabsorption risks
- Same unique fat blend (palm olein-free) as in Similac® Isomil® Advance®, and Similac Advance EarlyShield™, shown to provide excellent calcium absorption
- Complements nutrition provided by table food
- Lactose-free and gluten-free
- Kosher, Halal

*Percent daily value (DV) for 1- to 4-year-olds

Availability

Size	Container	List No.
Powder: (with measuring scoop)		
22.0 oz (623 g); yields 160 fl oz†	container; 6/case	50837

†At standard density of 20 Cal/fl oz

Preparation

POWDER:

- **Hypocaloric and hypercaloric formulas should be used under the direction of a physician.**
- 27 Cal/fl oz or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/fl oz increments.

The following table shows the quantity of water to mix with the number of **unpacked, level scoop(s)** of powder to arrive at the approximate caloric densities shown. Use only the scoop provided in the container.

Similac Go & Grow (Soy-Based) POWDER Mixing Chart

Caloric Density (Cal/fl oz)	Water (fl oz)	Unpacked, Level Scoop	Approximate Yield (fl oz)
20 (standard)	2	1	2
22	3.5	2	4
24	5	3	6
26	1.5	1	2
27	4.25	3	5

To make a larger amount of formula at standard density (20 Cal/fl oz) using a standard measuring cup, add **1 unpacked, level cup (NOT the enclosed scoop) of powder (100 g)** to 23 fl oz of water. Yields approximately 26 fl oz of formula. To maintain freshness, pour prepared formula into individual feeding cup or bottle, cap and store in refrigerator. Prepared formula should not be left unrefrigerated. Use within 24 hours.

Ingredients

42.5% Corn Syrup Solids, 14.7% Soy Protein Isolate, 11.5% High Oleic Safflower Oil, 10.1% Sugar (Sucrose), 8.4% Soy Oil, 7.8% Coconut Oil, 2.4% Calcium Phosphate. **Less than 2% of:** C. Cohnii Oil[‡], M. Alpina Oil[§], Potassium Citrate, Sodium Chloride, Magnesium Chloride, Ascorbic Acid, L-Methionine, Potassium Chloride, Choline Chloride, Taurine, Ferrous Sulfate, Ascorbyl Palmitate, m-Inositol, Zinc Sulfate, Mixed Tocopherols, L-Carnitine, Niacinamide, d-Alpha-Tocopheryl Acetate, Calcium Pantothenate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Vitamin A Palmitate, Riboflavin, Pyridoxine Hydrochloride, Beta-Carotene, Folic Acid, Potassium Iodide, Potassium Hydroxide, Phylloquinone, Biotin, Sodium Selenate, Vitamin D_3 and Cyanocobalamin. (FAN 8361-02) **Contains soy ingredients.**

[‡]A source of docosahexaenoic acid (DHA)

[§]A source of arachidonic acid (ARA)

US Patents 5,221,545; 6,136,858; 6,596,767; and other patent pending

See next page for nutrition information.

Similac® Go & Grow® (Soy-Based)

Nutrition Information		
	100 Cal	1000 mL
Energy, Cal	100	676
Volume, mL	148	1000
Protein, g	2.45	16.55
% Total Cal	10	10
Source	Soy protein isolate, L-methionine	
Fat, g	5.46	36.89
% Total Cal	49	49
Source	High oleic safflower, soy, and coconut oils (0.15% DHA, 0.40% ARA)	
Oil Ratio	41:30:29	41:30:29
Linoleic Acid, mg	1000	6757
Carbohydrate, g	10.3	69.6
% Total Cal	41	41
Source	Corn syrup solids, sugar	
Ratio	80:20	80:20
Vitamins		
Vitamin A, IU	300	2029
Vitamin D, IU	60	406
Vitamin E, IU	1.5	10.1
Vitamin K, mcg	11	74
Thiamin (Vit B_1), mcg	60	406
Riboflavin (Vit B_2), mcg	90	609
Vitamin B_6, mcg	60	406
Vitamin B_{12}, mcg	0.45	3.04
Niacin, mcg	1350	9130
Folic Acid, mcg	15	101
Pantothenic Acid, mcg	750	5072
Biotin, mcg	4.5	30.4
Vitamin C, mg	12	81
Choline, mg	12	81
Inositol, mg	5	33.8
Minerals		
Calcium, mg	150	1014
Calcium, mEq	7.4	50.6
Phosphorus, mg	100	676
Magnesium, mg	7.5	50.7
Iron, mg	2.0	13.5
Zinc, mg	0.75	5.07
Manganese, mcg	25	169
Copper, mcg	75	507
Iodine, mcg	15	101
Selenium, mcg	1.8	12.2
Sodium, mg	44	298
Sodium, mEq	1.9	12.9
Potassium, mg	108	730
Potassium, mEq	2.8	18.7
Chloride, mg	62	419
Chloride, mEq	1.8	11.8
Other Characteristics		
PRSL, mOsm	23.7	160
Water, g	133	899
Osmolality, mOsm/kg H_2O	200	200

Vital jr.™

Therapeutic Semi-Elemental Nutrition for Children

Description/Indications

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. is designed to enhance 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

Features

- Macro 3, 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® scFOS®, a prebiotic to help maintain GI-tract integrity
- Meets or exceeds 100% of DRIs for protein, vitamins, 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
- Lactose-free and gluten-free
- Only semi-elemental pediatric product with kosher status
- Halal

Precautions

- Not intended for infants under 1 year of age unless specified by a physician
- Not for children with galactosemia
- Not for parenteral use
- Use under medical supervision

Availability: Hospital/Institutional

Size	Container	Flavor	List No.
Ready To Feed:			
8 fl oz	can; 24/case	Vanilla	59762
8 fl oz	can; 24/case	Strawberry	59760

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

NutraFlora® and scFOS® are not registered trademarks of Abbott Laboratories.

Ingredients

Vanilla: Water, Corn Maltodextrin, Sugar (Sucrose), Whey Protein Hydrolysate, Structured Lipid (Interesterified Canola and Medium-Chain Triglycerides), Hydrolyzed Sodium Caseinate, Medium Chain Triglycerides, Canola Oil, Short-Chain Fructooligosaccharides. **Less than 0.5% of:** 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 Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Cupric Sulfate, Vitamin A Palmitate, Folic Acid, Biotin, Chromium Chloride, Potassium Iodide, Sodium Selenate, Sodium Molybdate, Phylloquinone, Vitamin D_3 and Cyanocobalamin. (FAN 8410-01) **Contains soy and milk ingredients.**

See next page for nutrition information.

Vital jr.™

Strawberry: Water, Corn Maltodextrin, Sugar (Sucrose), Whey Protein Hydrolysate, Structured Lipid (Interesterified Canola and Medium-Chain Triglycerides), Hydrolyzed Sodium Caseinate, Medium Chain Triglycerides, Canola Oil, Short-Chain Fructooligosaccharides. **Less than 0.5%:** Calcium Phosphate, Potassium Citrate, Cellulose Gel, Magnesium Phosphate, Natural and Artificial Flavors, 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, FD&C Red #3, 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_3 and Cyanocobalamin. (FAN 8410-01) **Contains soy and milk ingredients.**

US Patents 5,416,077; 5,700,513; 5,908,647; and 6,066,344

Nutrition Information

	8 fl oz	1000 mL	1500 mL
Energy, Cal	237	1000	1500
Volume, mL	237	1000	1500
Protein, g	7.1	30.0	44.9
% Total Cal	12	12	12
Source	Whey protein hydrolysate, sodium caseinate		
L-Carnitine, mg	4.0	16.9	25
Taurine, mg	17	72	108
Fat, g	9.6	40.5	60.8
% Total Cal	35	35	35
Source	Structured lipid (Interesterified canola and medium-chain triglycerides), medium-chain triglycerides, canola oil		
Carbohydrate, g	31.7	133.8	200.6
% Total Cal	53	53	53
Source	Corn maltodextrin, sugar		
Dietary Fiber,* g	0.71	3.0	4.5
Vitamins			
Vitamin A, IU	380	1603	2405
Vitamin D, IU	120	506	759
Vitamin E, IU	5.4	22.8	34.2
Vitamin K, mcg	14	59	89
Thiamin (Vit. B_1), mg	0.64	2.7	4.1
Riboflavin (Vit. B_2), mg	0.50	2.1	3.2
Vitamin B_6, mg	0.62	2.6	3.9
Vitamin B_{12}, mcg	1.4	5.9	8.9
Niacin, mg	2.4	10.1	15.2
Folic Acid, mcg	71	300	449
Pantothenic Acid, mg	2.4	10.1	15.2
Biotin, mcg	45	190	285
Vitamin C, mg	24	101	152
Choline, mg	71	300	449
Inositol, mg	19	80	120
Minerals			
Calcium, mg	250	1055	1582
Calcium, mEq	12.5	52.7	79.1
Phosphorus, mg	200	844	1266
Magnesium, mg	47	198	298
Iron, mg	3.3	13.9	20.9
Zinc, mg	1.4	5.9	8.9
Manganese, mg	0.36	1.5	2.3
Copper, mg	0.24	1.0	1.5
Iodine, mcg	23	97	146
Selenium, mcg	7.6	32.1	48.1
Sodium, mg	170	717	1076
Sodium, mEq	7.4	31.2	46.8
Chromium, mcg	7.1	30	44.9
Molybdenum, mcg	8.5	35.9	54
Potassium, mg	320	1350	2025
Potassium, mEq	8.2	34.6	51.9
Chloride, mg	240	1013	1519
Chloride, mEq	6.8	28.7	43.4
Other Characteristics			
PRSL, mOsm	69.4	293	439.1
Water, g	200	844	1266
Osmolality, mOsm/kg H_2O	390	390	390

* Dietary fiber as short-chain fructooligosaccharides (scFOS®)


Additional Product Information

Abbott Nutrition Pediatric Powders: Approximate Container Yield

Formula	Container size[1]	Grams of powder per container[1]	Approximate container yield at standard caloric density[1]	Approximate calories per container[2]
EleCare® (20 Cal/fl oz)	14.1 oz	400 g	95 fl oz	1900 Cal
EleCare® (30 Cal/fl oz)	14.1 oz	400 g	64 fl oz	1900 Cal
Similac® Advance®	12.9 oz	365 g	95 fl oz	1900 Cal
	23.2 oz	658 g	170 fl oz	3400 Cal
	34 oz	963 g	250 fl oz	5000 Cal
Similac Advance EarlyShield™	12.9 oz	365 g	94 fl oz	1880 Cal
	23.2 oz	658 g	168 fl oz	3360 Cal
	34 oz	963 g	247 fl oz	4940 Cal
Similac® Alimentum®	1 lb (16 oz)	454 g	115 fl oz	2300 Cal
Similac® Go & Grow® Milk-based	22 oz	623 g	162 fl oz	3240 Cal
Similac® Go & Grow® Soy-Based	22 oz	623 g	160 fl oz	3200 Cal
Similac® Isomil® Advance®	12.9 oz	365 g	94 fl oz	1880 Cal
	23.2 oz	657 g	169 fl oz	3380 Cal
	34 oz	963 g	247 fl oz	4940 Cal
Similac® NeoSure®	12.8 oz	363 g	85 fl oz	1870 Cal
Similac® PM 60/40	14.1 oz	400 g	102 fl oz	2040 Cal
Similac® Organic	12.9 oz	365 g	95 fl oz	1900 Cal
	23.2 oz	657 g	170 fl oz	3400 Cal
	34 oz	963 g	250 fl oz	5000 Cal
Similac Sensitive®	12.9 oz	365 g	94 fl oz	1880 Cal
	23.2 oz	657 g	168 fl oz	3360 Cal
Similac Sensitive® R.S.	12.9 oz	365 g	93 fl oz	1860 Cal
	23.2 oz	657 g	168 fl oz	3360 Cal

1. As stated on product label.

2. **Approximate calories per container** derived by multiplying the fl oz container yield by the standard caloric density of that product (eg, 20, 22, or 30 Cal/fl oz).

Abbott Nutrition Pediatric Powders: Scoop Measurements

Formula	Container size[1]	Grams of powder per container[1]	Grams of powder per scoop[1]	Approximate number of scoops per container[2]
EleCare®	14.1 oz	400 g	9.4 g	42
Similac® Advance®	12.9 oz	365 g	8.6 g	42
	23.2 oz	658 g	8.6 g	76
	34 oz	963 g	8.6 g	111
Similac Advance EarlyShield™	12.9 oz	365 g	8.7 g	41
	23.2 oz	658 g	8.7 g	75
	34 oz	963 g	8.7 g	110
Similac® Alimentum®	1 lb (16 oz)	454 g	8.7 g	52
Similac® Go & Grow® Milk-based	22 oz	623 g	8.6 g	72
Similac® Go & Grow® Soy-based	22 oz	623 g	8.7 g	71
Similac® Isomil® Advance®	12.9 oz	365 g	8.7 g	41
	23.2 oz	657 g	8.7 g	75
	34 oz	963 g	8.7 g	110
Similac® NeoSure®	12.8 oz	363 g	9.6 g	37
Similac® PM 60/40	14.1 oz	400 g	8.7 g	45
Similac® Organic	12.9 oz	365 g	8.6 g	42
	23.2 oz	657 g	8.6 g	76
	34 oz	963 g	8.6 g	111
Similac Sensitive®	12.9 oz	365 g	8.7 g	41
	23.2 oz	657 g	8.7 g	75
Similac Sensitive® R.S.	12.9 oz	365 g	8.7 g	41
	23.2 oz	657 g	8.7 g	75

1. As stated on product label.
2. **Approximate scoops per container** derived from dividing the grams of powder per container by the grams of powder per scoop. All numbers are rounded down to the nearest whole scoop (eg, if 42.7, rounded to 42 scoops).

Macronutrient Values for Pediatric Formula Powders

All values are approximates; rounded from more precise numbers

Nutrients per Scoop
Measurements are based upon unpacked, level scoops. Use only the scoop provided in the container. Scoops from different products are not interchangeable.

Product	Grams of powder	Calories	Carbohydrate	Protein	Fat
EleCare®	9.4 g	44.7 Cal	4.78 g	1.39 g	2.14 g
Similac® Advance®	8.6 g	44.7Cal	4.72 g	0.93 g	2.45 g
Similac Advance EarlyShield™	8.7 g	44.5 Cal	4.77 g	0.92 g	2.49 g
Similac® Alimentum®	8.7 g	44.3 Cal	4.52 g	1.22 g	2.45 g
Similac® Go & Grow® Milk-Based	8.6 g	44.7 Cal	4.72 g	0.93 g	2.45 g
Similac® Go & Grow® Soy-Based	8.7 g	44.7 Cal	4.61 g	1.10 g	2.44 g
Similac® Isomil® Advance®	8.7 g	44.7 Cal	4.61 g	1.10 g	2.44 g
Similac® NeoSure®	9.6 g	49.3 Cal	4.98 g	1.38 g	2.71 g
Similac® Organic	8.6 g	44.7 Cal	4.72 g	0.93 g	2.45 g
Similac® PM 60/40	8.7 g	44.7 Cal	4.56 g	0.98 g	2.50 g
Similac Sensitive®	8.7 g	44.7 Cal	4.78 g	0.96 g	2.41 g
Similac Sensitive® R.S.	8.7 g	44.7 Cal	4.78 g	0.96 g	2.41 g

Household Measurements (per cup)
Measurements are based upon 1 unpacked, level cup.

Product	Grams of Powder
EleCare	130 g
Similac Advance	100 g
Similac Advance EarlyShield	100 g
Similac Alimentum	118 g
Similac Go & Grow Milk-based	100 g
Similac Go & Grow Soy-based	100 g
Similac Isomil Advance	100 g
Similac NeoSure	100 g
Similac Organic	100 g
Similac PM 60/40	100 g
Similac Sensitive	100 g
Similac Sensitive R.S.	100 g

Nutrients per Gram				
Product	Calories	Carbohydrate	Protein	Fat
EleCare®	4.75 Cal	0.51 g	0.15 g	0.23 g
Similac® Advance®	5.20 Cal	0.55 g	0.11 g	0.29 g
Similac Advance EarlyShield™	5.12 Cal	0.55 g	0.11 g	0.29 g
Similac® Alimentum®	5.09 Cal	0.52 g	0.14 g	0.28 g
Similac® Go & Grow® Milk-Based	5.20 Cal	0.55 g	0.11 g	0.29 g
Similac® Go & Grow® Soy-Based	5.14 Cal	0.53 g	0.13 g	0.28 g
Similac® Isomil® Advance®	5.14 Cal	0.53 g	0.13 g	0.28 g
Similac® NeoSure®	5.13 Cal	0.52 g	0.14 g	0.28 g
Similac® Organic	5.20 Cal	0.55 g	0.11 g	0.29 g
Similac® PM 60/40	5.14 Cal	0.52 g	0.11 g	0.29 g
Similac Sensitive®	5.14 Cal	0.55 g	0.11 g	0.28 g
Similac Sensitive® R.S.	5.14 Cal	0.55 g	0.11 g	0.28 g

Nutrients per Packet (0.9 g of powder/packet)					
Product	Calories	Carbohydrate	Protein	Fat	Displacement
Similac® Human Milk Fortifier	3.5 Cal	0.45 g	0.25 g	0.09 g	0.69 mL

Approximate Displacement		
Product	Per scoop	Per gram of powder
EleCare	7.0 mL	0.74 mL
Similac Advance	6.6 mL	0.77 mL
Similac Advance EarlyShield	6.7 mL	0.77 mL
Similac Alimentum	6.6 mL	0.76 mL
Similac Go & Grow Milk-based	6.6 mL	0.77 mL
Similac Go & Grow Soy-based	6.8 mL	0.78 mL
Similac Isomil Advance	6.8 mL	0.78 mL
Similac NeoSure	7.3 mL	0.76 mL
Similac Organic	6.6 mL	0.77 mL
Similac PM 60/40	6.9 mL	0.79 mL
Similac Sensitive	6.8 mL	0.78 mL
Similac Sensitive R.S.	6.8 mL	0.78 mL

Medicare Rates and Healthcare Common Procedure Coding System (HCPCS)[1]

Item Number	Product	Description	Unit	Case	HCPCS Code	Med B Allowable Rate (per 100 Cal)	NDC Format Codes
54665	EleCare® (Powder)	Unflavored	14.1 oz can	6 cans	B4161	No Medicare Rate	70074-0546-66
59405	EleCare® (Powder)	Vanilla	14.1 oz can	6 cans	B4161	No Medicare Rate	70074-0594-06
53510	EleCare® with DHA & ARA (Powder)	Unflavored	14.1 oz can	6 cans	B4161	No Medicare Rate	Pending
02110	Isomil® (Liquid) - Discontinued		13 oz can	24 cans	B4159	No Medicare Rate	70074-0421-10
00245	Pedialyte® (Freezer Pops)	Assorted	2.1 fl oz sleeve	8 16-sleeve boxes	B4103	No Medicare Rate	00074-0245-01
54981	Pedialyte® (Singles)	Cherry	8 oz bottle	8/4-packs	B4103	No Medicare Rate	70074-0549-82
00365	Pedialyte® (Solution)	Fruit	33.8 oz bottle	8 bottles	B4103	No Medicare Rate	00074-6471-32
00240	Pedialyte® (Solution)	Grape	33.8 oz bottle	8 bottles	B4103	No Medicare Rate	00074-0240-01
00336	Pedialyte® (Solution)	Unflavored	33.8 oz bottle	8 bottles	B4103	No Medicare Rate	00074-6470-32
51752	Pedialyte® (Solution)	Bubble Gum	33.8 oz bottle	8 bottles	B4103	No Medicare Rate	00074-5175-30
00160	Pedialyte® (Solution)	Unflavored	8 oz bottle	4 6-paks	B4103	No Medicare Rate	00074-6470-08
57425	Pedialyte® Singles	Apple	8 oz	8 / 4-paks	B4103	No Medicare Rate	70074-0574-26
53593	PediaSure® (Oral Use Institutional)	Orange Cream	8 oz bottle	24 bottles	B4160	No Medicare Rate	70074-0535-94
51882	PediaSure® (Oral Use Institutional)	Chocolate	8 oz can	24 cans	B4160	No Medicare Rate	70074-0518-83
51884	PediaSure® (Oral Use Institutional)	Banana Cream	8 oz can	24 cans	B4160	No Medicare Rate	70074-0518-85
51880	PediaSure® (Oral Use Institutional)	Strawberry	8 oz can	24 cans	B4160	No Medicare Rate	70074-0518-81
55897	PediaSure® (Oral Use Institutional)	Vanilla	8 oz can	24 cans	B4160	No Medicare Rate	70074-0558-98
53587	PediaSure® (Oral Use Institutional)	Chocolate	8 oz bottle	24 bottles	B4160	No Medicare Rate	70074-0535-88
53581	PediaSure® (Oral Use Institutional)	Vanilla	8 oz bottle	24 bottles	B4160	No Medicare Rate	70074-0535-82
53589	PediaSure® (Oral Use Institutional)	Strawberry	8 oz bottle	24 bottles	B4160	No Medicare Rate	70074-0535-90
53591	PediaSure® (Oral Use Institutional)	Banana Cream	8 oz bottle	24 bottles	B4160	No Medicare Rate	70074-0535-92
51804	PediaSure® (Enteral Formula Only - Institutional)	Vanilla	8 oz can	24 cans	B4160	No Medicare Rate	70074-0518-05
57841	PediaSure® (Oral Use Institutional)	Orange Cream	8 oz can	24 cans	B4160	None	70074-0578-42
58064	PediaSure® Retail	Orange Cream	8 fl oz bottle	4 6-packs	B4160	No Medicare Rate	70074-0580-65
58058	PediaSure® Retail	Chocolate	8 fl oz bottle	4 6-packs	B4160	No Medicare Rate	70074-0580-59
58052	PediaSure® Retail	Banana Cream	8 fl oz bottle	4 6-packs	B4160	No Medicare Rate	70074-0580-53
58055	PediaSure® Retail	Strawberry	8 fl oz bottle	4 6-packs	B4160	No Medicare Rate	70074-0580-56
58049	PediaSure® Retail	Vanilla	8 oz bottle	4 6-packs	B4160BO	No Medicare Rate	70074-0580-50

1. Source: Abbott Nutrition Web site. Available at: http://abbottnutrition.com/home/third_party_coverage/medicare_hcpc/ratesinfo.asp?TypeID=4. Accessed May 20, 2009.

Item Number	Product	Description	Unit	Case	HCPCS Code	Med B Allowable Rate (per 100 Cal)	NDC Format Codes
51806	PediaSure® With Fiber (Enteral Formula Only - Institutional)		8 oz can	24 cans	B4160	No Medicare Rate	70074-0518-07
53585	PediaSure® With Fiber (Oral Use Institutional)	Vanilla	8 oz bottle	24 bottles	B4160	No Medicare Rate	70074-0535-86
58220	PediaSure® With Fiber - (Institutional)	Vanilla	8 fl oz can	24 cans	B4160	No Medicare Rate	70074-0582-21
58061	PediaSure® With Fiber-Retail	Vanilla	8 fl oz bottle	4 6-packs	B4160	No Medicare Rate	70074-0580-62
59783	PediaSure® Enteral Formula - Discontinued	Vanilla	500-mL Ready-To-Hang	8/case	B4160	No Medicare Rate	70074-0597-84
59785	PediaSure® Enteral Formula With Fiber and scFOS® - Discontinued	Vanilla	500-mL Ready-To-Hang	8/case	B4160	No Medicare Rate	70074-0597-86
59893	Pedialyte® (Retail) - Discontinued	Unflavored	2 oz bottle	48/case	B4103	No Medicare Rate	70074-0598-94
00108	RCF® (Liquid)		13 oz can	12 cans	B4155	$0.92	70074-0401-08
56975	Similac® Isomil® Advance®		13 oz	12	B4159	No Medicare Rate	70074-0569-76
56982	Similac® Isomil® Advance® With Iron (Powder Singles)		17.4 g pak	6/18 pak carts	B4159	No Medicare Rate	70074-0569-83
57768	Similac® Isomil® DF		32 fl oz bottle	6 bottles	B4159	No Medicare Rate	70074-0577-69
57762	Similac® Isomil® - Discontinued		12.9 oz can	6 cans	B4159	No Medicare Rate	70074-0577-63
57430	Similac® NeoSure® with DHA & ARA		12.8 oz	6 cans	B4160	No Medicare Rate	70074-0574-31
57533	Similac Sensitive®		32 oz bottle	6 bottles	B4158	No Medicare Rate	70074-0575-34
57535	Similac Sensitive®		13 oz	12 cans	B4158	No Medicare Rate	70074-0575-36
57545	Similac Sensitive® (Powder)		25.7 oz	6 cans	B4158	No Medicare Rate	70074-0575-44
57539	Similac Sensitive® (Powder)		12.9 oz can	6 cans	B4158	No Medicare Rate	70074-0575-41
56728	Similac Sensitive® R.S.		32 fl oz bottle	6 bottles	B4158	No Medicare Rate	70074-0567-31
59582	Similac® Special Care® 24 With Iron		2-fl-oz	6 - 8 packs	B4160		70074-0595-83
51276	Similac® Isomil® DF	Unflavored	8-fl-oz can	4 / 6 packs	B4159	No Medicare Rate	70074-0512-77
55400	Similac® 2		14.1 oz can	6 cans	None		70074-0554-08
53363	Similac Advance EarlyShield™ (Liquid)	Unflavored	32 fl oz bottle	6 bottles	B4158	No Medicare Rate	Pending
53359	Similac Advance EarlyShield™ (Powder)	Unflavored	23.2 oz Simple–Pac	6 containers	B4158	No Medicare Rate	70074-0533-60
55961	Similac® Advance® W/ Iron		32 oz	6 bottles	B4158	No Medicare Rate	70074-0559-62

Medicare Rates and Healthcare Common Procedure Coding System (HCPCS)—cont'd

Item Number	Product	Description	Unit	Case	HCPCS Code	Med B Allowable Rate (per 100 Cal)	NDC Format Codes
55959	Similac® Advance® W/ Iron		1 lb 9 oz	6 cans	B4158	No Medicare Rate	70074-0559-60
55957	Similac® Advance® W/ Iron		12.9 oz can	6 cans	B4158	No Medicare Rate	70074-0559-58
58605	Similac® Advance® W/ Iron		8 fl oz bottle	6/carton	B4158	No Medicare Rate	70074-0586-14
57600	Similac® Advance® W/ Iron		2 oz	48 bottles	B4158	No Medicare Rate	70074-0576-01
50759	Similac® Advance® W/ Iron (Powder)	Unflavored	23.2 oz Simple-Pac	6 containers	B4158	No Medicare Rate	Pending
57938	Similac® Advance® With Iron (Powder Singles)		17 g pack	6/18 pak carts	B4158	No Medicare Rate	70074-0579-39
56973	Similac® Advance® With Iron CL		13 oz	12 cans	B4158	No Medicare Rate	70074-0569-74
57663	Similac® Alimentum® with DHA & ARA (Powder)		16 oz	6 cans	B4161	No Medicare Rate	70074-0576-64
57508	Similac® Alimentum® with DHA & ARA		8 fl oz can	4/6packs	B4161	No Medicare Rate	70074-0575-09
57512	Similac® Alimentum® with DHA & ARA		32 fl oz bottle	6 bottles	B4161	No Medicare Rate	70074-0575-13
57707	Similac® Go & Grow® Milk-Based Formula		24.0 oz	6 cans	B4158	No Medicare Rate	70074-0577-07
50827	Similac® Go & Grow® Milk-Based Formula (Powder)	Unflavored	22 oz Simple-Pac	6 containers	B4158	No Medicare Rate	Pending
57711	Similac® Go & Grow® Soy-Based Formula		24.0 oz can	6 cans	B4159	No Medicare Rate	70074-0577-12
50837	Similac® Go & Grow® Soy-Based Formula (Powder)	Unflavored	22 oz Simple-Pac	6 containers	B4159	No Medicare Rate	Pending
54598	Similac® Human Milk Fortifier		0.3031-oz packet	3/50 packet cartons	None		70074-0545-99
55967	Similac® Isomil® Advance®		32 oz	6 bottles	B4159	No Medicare Rate	70074-0559-68
55965	Similac® Isomil® Advance®		25.7 oz	6 cans	B4159	No Medicare Rate	70074-0559-66
50819	Similac® Isomil® Advance® (Powder)	Unflavored	23.2 oz Simple-Pac	6 containers	B4159	No Medicare Rate	Pending
51476	Similac® Low Iron (Liquid) - Discontinued		32 oz bottle	6 bottles	None		70074-0514-77
52646	Similac® Low Iron (Liquid) - Discontinued		13 oz can	12 cans	None		70074-0402-64
52274	Similac® Low Iron (Powder) - Discontinued		14.1 oz can	6 cans	None		70074-0522-75
57837	Similac® Low Iron (Powder) - Discontinued		12.9 oz can	6 cans	None		70074-0578-38

Item Number	Product	Description	Unit	Case	HCPCS Code	Med B Allowable Rate (per 100 Cal)	NDC Format Codes
57455	Similac® NeoSure® with DHA & ARA		32 oz bottle	6 bottles/ case	B4160	No Medicare Rate	70074-0574-56
59543	Similac® Organic		12.9 oz can	6 cans	B4158	No Medicare Rate	70074-0595-44
59883	Similac® Organic		32 fl oz bottle	6/case	B4158	No Medicare Rate	70074-0598-84
50821	Similac® Organic (Powder)	Unflavored	23.2 oz Simple-Pac	6 containers	B4158	No Medicare Rate	Pending
00850	Similac® PM 60/40 (Powder)		14.1 oz can	6 cans	B4154	$1.18	70074-0608-50
50817	Similac Sensitive® (Powder)	Unflavored	23.2 oz Simple-Pac	6 containers	B4158	No Medicare Rate	Pending
00414	Similac® With Iron (Liquid) - Discontinued		13 oz can	24 cans	B4158	No Medicare Rate	70074-0404-14
57760	Similac® With Iron (Powder) - Discontinued		12.9 oz can	6 cans	B4158	No Medicare Rate	70074-0577-61
51478	Similac® With Iron (RTF) - Discontinued		32 oz bottle	6 bottles	B4158	No Medicare Rate	70074-0514-79
57830	Similac® With Iron - Discontinued		25.7 oz can	6 cans	B4158	No Medicare Rate	70074-0578-31
58601	Similac® Isomil® Advance®		8 fl oz bottle	6/carton	B4159	No Medicare Rate	70074-0586-04
55963	Similac® Isomil® Advance®		12.9 oz powder can	6/case	B4159	No Medicare Rate	70074-0559-64
59545	Similac® Organic		25.7 oz powder can	6 cans	B4158	No Medicare Rate	70074-0595-46
59645	Similac® NeoSure® with DHA & ARA		2-fl-oz	6/8 packs	B4160	No Medicare Rate	70074-0596-46
59762	Vital Jr™	Vanilla	8 oz can	24 cans	B4161	No Medicare Rate	70074-0597-63
59760	Vital Jr™	Strawberry	8 oz can	24 cans	B4161	No Medicare Rate	70074-0597-61
50096	Vital Jr™- Discontinued	Vanilla	500 mL	8/case	B4161	No Medicare Rate	70074-0500-97

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†Enfamil® A.R.® Lipil® powder requires a 5-minute wait. http://www.enfamil.com/app/iwp/HCP/Content2.do?dm=enf&id=/HCP_Home/Product_Information/Product_Descriptions/EnfamilARLIPIL&iwpst=B2C&ls=0&csred=1&r=3419516399. Accessed May 13, 2009. | Enfamil®, A.R.® and Lipil® are not trademarks of Abbott Laboratories. | ‡Among healthy 2-month-old infants compared with standard formula. | §Due to protein sensitivity.

References 1. Data on file, AJ68, May 2007, Abbott Nutrition, Columbus, Ohio. 2. Sampson HA, Bernhisel-Broadbent J, Yang E, Scanlon SM. Safety of casein hydrolysate formula in children with cow milk allergy. *J Pediatr* 1991;188:520-5. 3. Data on file, AC84, August 2004, Abbott Nutrition, Columbus, Ohio.

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