

Product Information: Vital® HP

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Peptide-based, high protein, therapeutic nutrition for tolerance

- 1 VITAL HIGH PROTEIN is specialized therapeutic nutrition for immune support, to promote GI tolerance, and to help manage inflammation and is suitable for patients who could benefit from a high-protein, low-fat diet.
- 1 For tube or oral feeding.
- 1 For supplemental or sole-source nutrition.
- 1 Use under medical supervision.
- 1 87.3 g/L peptide-based protein (35%).
- 1 20% of total calories from fat.
- 1 EPA (2.3 g/L) and DHA (0.9 g/L) from fish oil to help modulate inflammation and support immune function.^{1,2}
- 1 Has the recommended lipid profile for the severely critically ill patient, including EPA and DHA from fish oil, to help modulate inflammation.^{1,2,3}
- 1 1500 Calories (1500 mL) provides at least 100% of the RDIs for 25 essential vitamins and minerals.
- 1 Contains elevated levels of antioxidant vitamins C and E and selenium to help reduce free radical damage.^{4,5}
- 1 21.1 mcg/L vitamin D to help meet the increased vitamin D needs of critically ill patients.^{6,7}
- 1 Fiber-free.
- 1 Gluten-free.
- 1 Suitable for lactose intolerance.



Safety Precautions

- 1 Not for IV use.
- 1 Not suitable for people with galactosemia.

¹ Calder PC. *Prostaglandins Leukot Essent Fatty Acids*. 2008;79(3-5):101-108.

² Calder PC. *Clin Nutr*. 2010;29(1):5-12.

³ McClave SA, et al. *JPEN J Parenter Enteral Nutr*. 2016;40(2):159-211.

⁴ Institute of Medicine (US) Panel on Dietary Antioxidants and Related Compounds. *Dietary Reference Intakes for Vitamin C, Vitamin E, Selenium, and Carotenoids*. Washington (DC): National Academies Press (US);2000.

⁵ Sies H. *Redox Biol*. 2015;4:180-183.

⁶ Lee P, et al. *N Engl J Med*. 2009;360(18):1912-1914.

⁷ Lee P, et al. *Intensive Care Med*. 2009;35(12):2028-2032.

Ingredients

Liquid Unflavored:

Water, Corn Maltodextrin, Whey Protein Hydrolysate, Hydrolyzed Sodium Caseinate, Medium Chain Triglycerides. Less than 1% of: Marine Oil (May Contain One or More of the Following: Anchovy, Cod, Menhaden, Pollock, Salmon, Sardine, Tuna), Sugar, Cellulose Gel, Magnesium Phosphate, Calcium Carbonate, Potassium Citrate, Sodium Phosphate, Corn Oil, Potassium Chloride, DATEM, Choline Chloride, Ascorbic Acid, Calcium Phosphate, Potassium Hydroxide, Carrageenan, Cellulose Gum, Magnesium Chloride, L-Carnitine, Taurine, Zinc Sulfate, Ferrous Sulfate, d-Alpha-Tocopheryl Acetate, Manganese Sulfate, Niacinamide, Calcium Pantothenate, Copper Sulfate, Thiamine Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Chromium Chloride, Folic Acid, Sodium Molybdate, Phylloquinone, Potassium Iodide, Sodium Selenate, Biotin, Vitamin D3, and Vitamin B12.

Allergens: Contains milk ingredients.

Availability

| List Number | Item |
|-------------|--|
| 63081 | Vital HP / 33.8 fl oz (1 L) Ready-To-Hang Prefilled Container / 8 ct |
| 64820 | Vital HP / 8 fl oz (237 mL) Recloseable Carton / 24 ct |

Nutrition Information - Liquid Unflavored

| | 8 fl oz (237 mL) | | 33.8 fl oz (1 L) | |
|-----------------------------|------------------|------------|------------------|------------|
| | Value | %RDI / %DV | Value | %RDI / %DV |
| Protein, g | 20.7 | | 87.3 | |
| Fat, g | 5.5 | | 23.2 | |
| Carbohydrate, g | 26.7 | | 111 | |
| Dietary Fiber, g | 0.0 | | 0.0 | |
| Total Sugars, g | 2 | | 8.4 | |
| Added Sugars, g | 2 | | 8.4 | |
| L-Carnitine, mg | 25 | | 105 | |
| Taurine, mg | 25 | | 105 | |
| Water, g | 198 | | 836 | |
| Calories | 237 | | 1000 | |
| Vitamin A, mcg RAE | 166 | | 700 | |
| Vitamin D, mcg | 5.0 | | 21.1 | |
| Vitamin E, mg | 4.0 | | 16.9 | |
| Vitamin K, mcg | 39 | | 165 | |
| Vitamin C, mg | 82 | | 344 | |
| Folate, mcg DFE | 100 | | 422 | |
| Folic Acid, mcg | 60 | | 253 | |
| Thiamin (Vitamin B1), mg | 0.5 | | 2.1 | |
| Riboflavin (Vitamin B2), mg | 0.3 | | 1.3 | |
| Vitamin B6, mg | 0.5 | | 2.1 | |
| Vitamin B12, mcg | 2.0 | | 8.4 | |
| Niacin, mg NE | 6.8 | | 28.7 | |
| Choline, mg | 118 | | 498 | |
| Biotin, mcg | 8.0 | | 33.7 | |
| Pantothenic Acid, mg | 1.4 | | 5.9 | |
| Sodium, mg | 330 | | 1400 | |
| Potassium, mg | 332 | | 1400 | |
| Chloride, mg | 245 | | 1033 | |
| Calcium, mg | 206 | | 869 | |
| Phosphorus, mg | 198 | | 835 | |
| Magnesium, mg | 67 | | 281 | |
| Iodine, mcg | 25 | | 103 | |
| Manganese, mg | 0.8 | | 3.4 | |
| Copper, mg | 0.4 | | 1.7 | |
| Zinc, mg | 4.7 | | 19.8 | |
| Iron, mg | 3 | | 12.7 | |
| Selenium, mcg | 15 | | 63 | |
| Chromium, mcg | 20 | | 84 | |
| Molybdenum, mcg | 32 | | 135 | |

Preparation

Instructions for Use:

8 fl oz carton

- 1 Store unopened at room temperature.
- 1 Shake well prior to opening.
- 1 Once opened, reclose, refrigerate and **use within 48 hours**.

Oral Feeding:

- 1 May be used for total or supplemental nutrition.
- 1 May be fed at room temperature or chilled.

Tube Feeding:

- 1 Follow physician's instructions.
- 1 Adjust flow rate and volume according to patient's condition and tolerance.
- 1 Feed at room temperature using a feeding pump or syringe.
- 1 Additional fluid requirements should be met by giving water between or after feedings or when flushing the tube.
- 1 Avoid contamination during preparation and use.

Ready-To-Hang Container

All liquid medical foods, regardless of type of administration system, require careful handling because they can support microbial growth. Follow these instructions for clean technique and proper setup to reduce the potential for microbial contamination.

NOTE: Failure to follow the Instructions for Use increases the potential for microbial contamination and reduces hangtime.

- 1 Administer product at room temperature.
- 1 THOROUGHLY wash hands with soap and water before handling container or feeding set.
- 1 Turn container upside down and SHAKE VIGOROUSLY, using a twisting motion for at least 10 seconds.
- 1 DO NOT touch any part of the container or feeding set that comes into contact with the formula.
- 1 When initiating feeding, follow physician's instructions. Adjust flow rate and volume according to patient's condition and tolerance.
- 1 Additional fluid requirements should be met by giving water between or after feedings or when flushing the tube.

For Use with Enteral Feeding Pumps:

- 1 Remove dust cover from RTH Safety Screw Cap.
- 1 Remove dust cover from feeding set connector.
- 1 Insert feeding set connector into port of RTH Safety Screw Cap and completely pierce foil.
- 1 Turn connector collar clockwise until it is securely fastened.
- 1 Close clamp on set before inverting container.
- 1 Invert container and suspend, using hanging ring on bottom of container.

Precautions

- 1 Follow directions for use provided by manufacturer of feeding sets.
- 1 Unless a shorter hang time is specified by the set manufacturer, hang product for up to 48 hours after initial connection when clean technique and only one new set are used. Otherwise hang for no more than 24 hours.