

July 25, 2023

Otsuka Pharmaceutical Factory launches a concentrated liquid diet product “HINEX RENUTE[®]” to provide protein and energy for early resumption of nutrition

Otsuka Pharmaceutical Factory, Inc. (Head Office: Naruto, Tokushima, Japan; President and Representative Director: Shinichi Ogasawara; “OPF”) will launch “HINEX RENUTE[®],” a new addition to the existing line of concentrated liquid diet products, on September 26, 2023.

HINEX RENUTE is an oligomeric, concentrated liquid diet food containing collagen peptide, soybean peptide, and amino acids. It contains less carbohydrate than other HINEX series products and increases the percentage of protein and fat, considering protein and energy charge for early resumption of nutrition. It was named “RENUTE” combining English words “RE” (meaning “again”) and “NUTRITION.”

Generally, it is considered important to keep in mind the possibility for the onset of refeeding syndrome^{*1} for resuming nutrition of the patient with malnutrition caused by the various diseases, and it has been demanded for a long time to develop a concentrated liquid nutritional product in consideration of this issue. The proportion of three major nutrients is 50% for fat, 26% for carbohydrate, and 24% for protein, and as in other HINEX series products, it contains dietary fiber and formulates vitamin B₁ necessary for carbohydrate metabolism and L-carnitine^{*2} for fat metabolism. It is expected to be useful as a concentrated liquid diet product considering energy charge in early resumption of nutrition.

OPF has marketed Hine Jelly, Hine Jelly Aqua, HINEX E-Gel, and HINEX E-Gel LC as concentrated liquid food products and has been contributing to the nutrition status of patients. OPF aims to be the best partner in clinical nutrition by further expanding its line of Medical Foods^{*3} and continuously providing information and products which are useful for proper nutritional management.


Based on the corporate philosophy of “Otsuka-people creating new products for better health worldwide,” the Otsuka Group is dedicated to contributing to the health of people around the world.

*1 A general term for a range of the metabolic complications which occur to chronic malnourished patients given aggressive nutritional replenishment. (Nakaya Y, et. al. Shikoku Acta Medica. 2012 Apr 25;68(1, 2):23-28.)

*2 L-carnitine: A micronutrient which plays an important role in production of energy by fat.

*3 We refer to the products that we have developed based on medical and nutritional grounds, and which play a role in healthcare, as “medical foods.”

Product Information

Brand name	HINEX RENUTE®
Category	Concentrated liquid diet
Ingredients	Dextrin (manufactured in Japan), porcine collagen peptide (gelatin contained), medium-chain triglycerides, vegetable oil, enzyme decomposed soybean protein (soybean contained), yeast, algae-derived DHA, EPA-containing oil, carnitine, kelp extract/polysaccharide thickener, lysine, magnesium chloride, sodium pyrophosphate, leucine, vitamin C, potassium hydroxide, acidulant, calcium phosphate, isoleucine, valine, methionine, crystalline cellulose, histidine, phenylalanine, potassium pyrophosphate, threonine, tryptophan, vitamin B ₁ , flavors, vitamin E, niacin, iron pyrophosphate, calcium pantothenate, vitamin B ₆ , vitamin B ₂ , vitamin A, folic acid, vitamin K ₂ , vitamin D, and vitamin B ₁₂
Packaging	400 mL × 15 bags 
Nutrition facts (per bag)	Calories 400 kcal, protein 24.0 g, fat 22.4 g, carbohydrates 28.4 g (sugar 23.6 g, dietary fiber 3.2-6.4 g), salt equivalent 1.62 g Water 340 g
Suggested retail price (excluding tax)* ⁴	9,945 JPY/400 mL × 15 bags
Best before date	9 months after manufacturing date
Storage	Store in a dark place. The product can be stored at room temperature, but should preferably be stored in a cool place. Avoid storing in freezing environment.
Distributor	Otsuka Pharmaceutical Factory, Inc.
Comarketed by	Otsuka Pharmaceutical Co., Ltd.

Allergic substances (28 items) Soybean, Gelatin

*⁴ the price is shown as a reference price.

Company Profile

Otsuka Pharmaceutical Factory, Inc.

Established	: October 7, 1969 (founded September 1, 1921)
Capital	: 80 million yen
Representative	: Shinichi Ogasawara, President and Representative Director
Head Office	: 115 Kuguhara, Tateiwa, Muya-cho, Naruto, Tokushima 772-8601, Japan
Employees	: 2,271 (as of December 31, 2022)
Business Description	: Manufacture, sale, import and export of clinical nutrition products and other pharmaceutical products, medical devices, functional foods, etc.
URL	: https://www.otsukakj.jp/en/