

June 7, 2021

**Otsuka Pharmaceutical Factory launches “HINEX® E-Gel” and “HINEX® E-gel LC”
as new products with changed names and compositions**

-Developing concentrated liquid diet products globally under the “HINEX” brand-

Otsuka Pharmaceutical Factory, Inc. (Head Office: Naruto, Tokushima, Japan; President and Representative Director: Shinichi Ogasawara; “OPF”) will renew its concentrated liquid diet products “Hine E-Gel®” and “Hine E-Gel® LC,” and release new products with changed names (product names) and some compositions, “HINEX® E-Gel” and “HINEX® E-gel LC.”^{*1}

Since the 1970s, the Otsuka Group has worked to develop products focusing on nutritional foods that can be taken orally by patients, making use of its ability to develop clinical nutritional products, mainly IV products. The “HINEX” brand of concentrated liquid diet foods launched in 1979 was subsequently renamed “Hine” domestically and has continued product development. Since 2016, the brand has been rolled out overseas under the name of “HINEX.” As part of our Medical Foods^{*2} strategy, we will unify our trademarks in Japan as well, and by globally expanding our concentrated liquid diet foods under the name of “HINEX,” we hope to increase global recognition and grow as a brand of nutritional foods that can be used by healthcare professionals and patients around the world.

These new products are concentrated liquid diet foods containing collagen peptide and soybean peptide that can be used for persons whose standard calorie intake is 1200 to 1600 kcal per day. In conjunction with the change in the product names, some compositions have been changed, such as increasing the amount of manganese by referring to the Dietary Reference Intakes for Japanese (2020) and adjusting the ratio of copper to zinc to 1:10.

A solid is generally excreted more slowly from the stomach than a liquid and its backflow to the esophagus rarely occurs. Accordingly, in the concentrated liquid food sector, jelly food has been developed, sold, and used. These products are oligomeric formulas which change their property from a liquid to a gel in the stomach.^{*3} In addition, “HINEX E-gel LC” contains less carbohydrate than “HINEX E-Gel”^{*4} and L-carnitine^{*5} is formulated. A 250-mL bag (200 kcal) item is also available so that it can be used according to the condition of the patients, such as when they are managed with small quantities.

OPF will continue to promote its business from a global perspective, and aims to be the best partner in the field of clinical nutrition by further expanding its lineup of the medical foods and continuously providing information and products that 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} As soon as the conventional products are out of stock, the new products will be released sequentially. They are scheduled to be provided from around the beginning of September to the end of October.



^{*2} 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.”

^{*3} Formation of a gel can occur in persons with normal gastric acid secretion because the product changes to a gel under acidic conditions; however, it may vary among individuals.

^{*4} HINEX E-gel LC contains 11.8 g of carbohydrate per 100 kcal. (HINEX E-Gel contains 15.4 g of carbohydrate.)




^{*5} L-carnitine: A micronutrient which plays an important role in production of energy by fat.

Product Information

Brand name	HINEX® E-Gel	
Category	Concentrated liquid diet	
Ingredients	Maltodextrin (manufactured in Japan), enzyme decomposed soybean protein, porcine collagen peptide (gelatin), vegetable oil, medium-chain triglycerides, yeast, kelp extract/thickener (polysaccharide thickener), lysine, sodium pyrophosphate, potassium chloride, acidulant, calcium phosphate (soybean-derived), vitamin C, potassium hydroxide, leucine, valine, methionine, crystalline cellulose, isoleucine, magnesium oxide, tryptophan, histidine, flavors, vitamin E, niacin, iron pyrophosphate, calcium pantothenate, vitamin B ₆ , vitamin B ₁ , vitamin B ₂ , vitamin A, folic acid, vitamin K ₂ , vitamin D, and vitamin B ₁₂	
Packaging	<p>375 mL × 16 bags</p> 	<p>500 mL × 12 bags</p> 
Nutrition facts (per bag)	Calories 300 kcal, protein 12.0 g, fat 6.6 g, carbohydrates 50.3 g (sugar 46.1 g, dietary fiber 4.1 g), salt equivalent 1.27 g	Calories 400 kcal, protein 16.0 g, fat 8.8 g, carbohydrates 67.0 g (sugar 61.5 g, dietary fiber 5.5 g), salt equivalent 1.69 g
	Water 330 g	Water 440 g
Suggested retail price (excluding tax)*6	5,712 JPY/375 mL × 16 bags	5,280 JPY/500 mL × 12 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.	
Manufacturing site	Toasu Co., Ltd. 5 Hiyake, Chigiri-cho, Toyokawa-shi, Aichi	

*6 The price is shown as a reference price.

The product contains gelatin and soybean. Do not consume the product if you are allergic to these ingredients.

Brand name	HINEX® E-gel LC		
Category	Concentrated liquid diet		
Ingredients	Maltodextrin (manufactured in Japan), vegetable oil, porcine collagen peptide (gelatin), medium-chain triglycerides, enzyme decomposed soybean protein, yeast, carnitine, kelp extract/thickener (polysaccharide thickener), lysine, sodium pyrophosphate, magnesium chloride, potassium hydroxide, acidulant, leucine, calcium phosphate (soybean-derived), vitamin C, potassium chloride, threonine, isoleucine, valine, methionine, phenylalanine, crystalline cellulose, histidine, tryptophan, flavors, vitamin E, niacin, iron pyrophosphate, calcium pantothenate, vitamin B ₆ , vitamin B ₁ , vitamin B ₂ , vitamin A, folic acid, vitamin K ₂ , vitamin D, and vitamin B ₁₂		
Packaging	250 mL × 21 bags 	375 mL × 16 bags 	500 mL × 12 bags 
Nutrition facts (per bag)	Calories 200 kcal, protein 8.0 g, fat 7.6g, carbohydrates 26.5 g (sugar 23.5 g, dietary fiber 3.0 g), salt equivalent 0.84 g Water 220 g	Calories 300 kcal, protein 12.0 g, fat 11.3 g, carbohydrates 39.8 g (sugar 35.3 g, dietary fiber 4.5 g), salt equivalent 1.27 g Water 330 g	Calories 400 kcal, protein 16.0 g, fat 15.1 g, carbohydrates 53.0 g (sugar 47.0 g, dietary fiber 6.0 g), salt equivalent 1.69 g Water 440 g
Suggested retail price (excluding tax)* ⁷	6,930 JPY/250 mL × 21 bags	5,952 JPY/375 mL × 16 bags	5,460 JPY/500 mL × 12 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.		
Manufacturing site	Toasu Co., Ltd. 5 Hiyake, Chigiri-cho, Toyokawa-shi, Aichi		

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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	:	2,263 (as of December 31, 2020)
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/