

June 5, 2018

**Otsuka Pharmaceutical Factory launches a new Racol-NF
Liquid for Enteral Use (for feeding tube and oral
administration), green tea flavor**

Otsuka Pharmaceutical Factory, Inc. (Head Office: Naruto, Tokushima, Japan; President and Representative Director: Shinichi Ogasawara; “OPF”) launches “Racol-NF Liquid for Enteral Use, green tea flavor” as a new “Racol-NF Liquid for Enteral Use (ethical pharmaceutical for feeding tube and oral administration) 200 mL,” on June 5, 2018.

“Racol-NF Liquid for Enteral Use” is a polymeric enteric nutrition formula which appropriately contains major nutrients (protein, fat, and carbohydrate), vitamins, minerals, and trace elements based on the typical Japanese nutrition intake pattern. It has been developed as an enteral nutrition formula appropriate for a long-term nutritional management. The ratio of vegetable protein is high referring to the typical Japanese nutrition intake pattern and the ratio of n-3 fatty acid to n-6 fatty acid is 1 to 3¹ as a result of compounding perilla oil which contains much n-3 fatty acid (α -linolenic acid). In addition, MCT (middle-chain triglyceride) which is superior fat in terms of energy effectiveness is contained.

As the effectiveness of ONS² has been shown in various situations recently, the oral intake is considered to be recommended more. “Racol-NF Liquid for Enteral Use” is not so sweet that patients can continue to consume it. As a result of adding the new item, green tea flavor, the total number of items of “Racol-NF Liquid for Enteral Use 200 mL” has become 5; milk, coffee, banana, corn, and green tea flavors. The container is aluminum pouch which is light and easy to discard. By preparing various flavor items so that patients can select and use depending on their taste and considering ease of use, we contribute to the improvement of medication adherence.³

The nutritional management using enteral nutrition formulas often lasts for a long time, and formulas with

¹ A well-balanced intake of n-3 and n-6 fatty acids is required because such two fatty acids are metabolized through a different pathway and do not convert each other.

² ONS (Oral nutritional supplements): intake of a small amount of enteral nutrition formula in addition to daily meal when the intake of meal is insufficient due to some diseases.

³ Medication adherence: Appropriate and correct intake of drugs by patients based on the correct understanding of the meanings and effectiveness of medication without discontinuation of intake by inappropriate judgment by themselves.

high nutritional value, good taste, and superior convenience are anticipated. We believe the launched product is highly contributive in clinical practice. We strive to be the best partner of patients and healthcare professionals in the field of clinical nutrition by continuously providing information and products which are useful for the adequate 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.

Product Information

Brand name	Racol-NF Liquid for Enteral Use (green tea flavor)
Regulatory classification	Enteral nutrition (drug)
Packaging	<p>200 mL × 24 pouches</p> 
Indications	<p>RACOL-NF Liquid for Enteral Use is indicated for nutritional support in postoperative patients. It is specifically intended for tube feeding in patients in whom oral nutrition is inadequate or not possible for a prolonged period.</p> <p><Precautions ></p> <p>When the patient becomes able to take food orally, the use of RACOL-NF Liquid for Enteral Use should be discontinued and other forms of oral nutrition should be substituted immediately.</p>
Dosage and administration	<p>The standard adult dose of RACOL-NF Liquid for Enteral Use is 1,200–2,000 mL (1,200–2,000 kcal) per day, administered via a nasal tube or gastric or enteric fistula into stomach, duodenum, or jejunum over a period of 12–24 hr each day. The usual administration rate is 75–125 mL/hr. When oral intake is possible, RACOL-NF Liquid for Enteral Use can be given orally to the patient administered one time a day or divided into several times.</p> <p>For the initial dose, 400 mL (400 kcal) of RACOL-NF Liquid for Enteral Use per day should be diluted with water (to approx. 0.5 kcal/mL) and the dilute should be administered at a reduced rate (not more than 100 mL/hr). The dosage should be</p>

	<p>increased to the standard dose over a period of 3–7 days based on the patient’s clinical condition.</p> <p>The dose, concentration, and infusion rate should be adjusted according to the patient’s age, body weight, and clinical condition.</p> <p><Precautions></p> <p>RACOL-NF Liquid for Enteral Use is an enteral formula and must not be administered intravenously.</p>
Storage	Store at room temperature.
Expiration date	13 months from the date of manufacture
Date of launch	June 5, 2018
Price	146 JPY/200 mL
Manufactured and distributed by	EN Otsuka Pharmaceutical Co., Ltd.
Comarketed by	Otsuka Pharmaceutical Co., Ltd, Otsuka Pharmaceutical Factory, Inc.

Company Profile

Otsuka Pharmaceutical Factory, Inc.

Established	:	October 7, 1969 (founded September 1, 1921)
Capital	:	80 million yen
President	:	Shinichi Ogasawara, President and Representative Director
Head Office	:	115 Kuguhara, Tateiwa, Muya-cho, Naruto, Tokushima 772-8601, Japan
Employees	:	2,297 (as of December 31, 2017)
Business	:	Manufacture, sale, import and export of clinical nutrition products and other
Description		pharmaceutical products, medical devices, functional foods, etc.
URL	:	http://www.otsukakj.jp/en/

EN Otsuka Pharmaceutical Co., Ltd.

Established	:	March 26, 2002
Capital	:	1.51 billion yen
President	:	Goro Komatsu, President and Representative Director
Head Office	:	4-3-5, Nimaibashi, Hanamaki City, Iwate Prefecture 025-0312, Japan
Employees	:	347 (as of December 31, 2017)
Business	:	Research & development, manufacturing, sales, and the export/import of enteral
Description		nutrients, foods for medical use, foods for the elderly, and disease-specific foods
URL	:	https://www.enotsuka.co.jp/en/