

NUTRISON PROTEIN PLUS

A nutritionally complete, high protein, no added fibre, ready-to-use enteral tube feed.

FEATURES

- **Suitable as a sole source of nutrition[^]**
- **1.25kcal/ml:** to prevent overfeeding calories.
- **63g protein (20%E) per 1000ml:** for people with increased protein requirements e.g. due to metabolic stress.¹
- **Whey-dominant P4 protein blend:** in line with international recommendations on protein quality/ amino acid profile and for gastro-intestinal tolerance benefits.²⁻⁸
- **Fish oils:** to provide Docosahexaenoic acid (DHA) and Eicosapentaenoic acid (EPA).
- **Medium chain triglycerides (MCT):** for easier fat digestion and absorption.⁹⁻¹⁰
- **Enriched with carotenoids:** in line with general health recommendations for their antioxidant properties and positive effect on immune function.¹¹
- **1000ml OpTri bottle:** suitable for closed system or open system feeding via ISO compliant flip-top screw cap.

Indications

For use in the dietary management of:

- Disease-related malnutrition with moderate metabolic stress.
- Conditions with increased protein requirements e.g. post-surgery, infections, cancer, trauma.

Important Notice

- Not for parenteral use.
- Not suitable for patients with galactosaemia.
- Not suitable for patients with cow's milk protein allergy.
- Not suitable for infants under 1 year of age.
- Use with caution in children aged 1-6 years of age.
- Use with caution in individuals with a seafood allergy.
- Must be used under medical supervision.

Directions for Use

- Use at room temperature.
- Check appearance before use and shake well.
- Handle aseptically to ensure product remains sterile.
- Usage to be determined by a healthcare professional.
- Do not dilute or add medications to the formula.

Storage

- Store in a cool, dry place.
- Once opened, close the bottle and store in a refrigerator.
- Discard unused content after 24 hours.

Ordering Information

To order contact Nutricia Customer Experience **0800 688 747**.

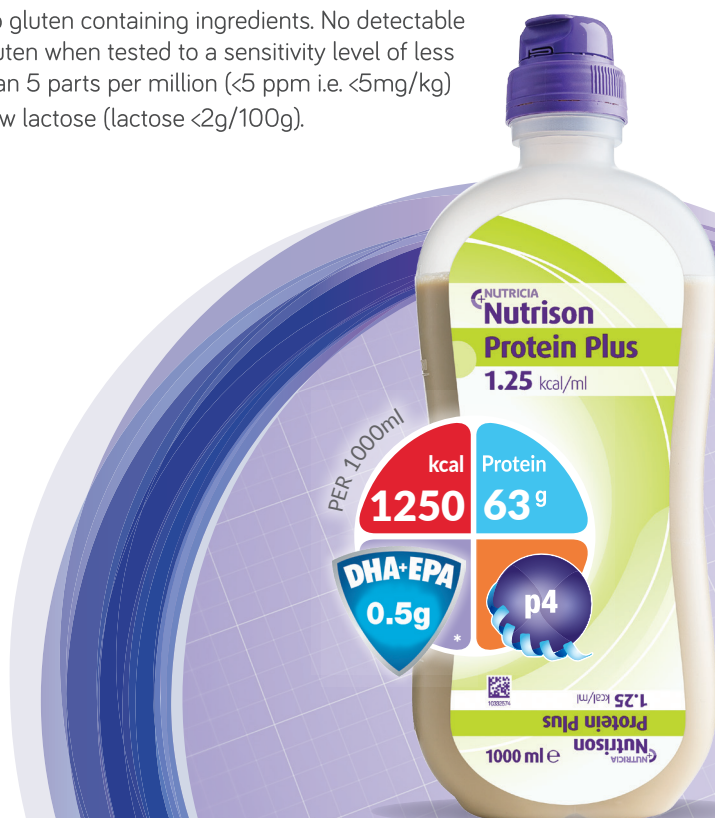
Nutrison Protein Plus	Product code	Units per carton	Pharmacode
1000ml OpTri Bottle	132385	8	2572974

Ingredients

Nutrison Protein Plus: Water, maltodextrin, vegetable oils (sunflower oil, rapeseed oil, MCT oil (coconut oil, palm kernel oil)), whey protein (from cow's **milk**), cow's **milk** protein caseinate, pea protein, **soy** protein, potassium citrate, **fish** oil, emulsifier (**soy** lecithin), magnesium hydrogen phosphate, calcium carbonate, potassium hydroxide, carotenoids (contains **soy**) (b-carotene, lutein, lycopene oleoresin from tomatoes), sodium chloride, choline chloride, sodium citrate, tri calcium phosphate, potassium chloride, sodium L-ascorbate, magnesium carbonate, ferrous lactate, zinc sulphate, nicotinamide, retinyl acetate, DL- α -tocopheryl acetate, copper gluconate, manganese sulphate, sodium selenite, calcium D-pantothenate, cholecalciferol, chromium chloride, thiamin hydrochloride, D-biotin, pteroylmonoglutamic acid, pyridoxine hydrochloride, riboflavin, potassium iodide, sodium fluoride, sodium molybdate, phytomenadione, cyanocobalamin.

Allergen & Cultural Information

- Contains: **milk, soy** and **fish**.
- Halal certified.
- Nutricia UK and/or Ireland have Kosher approval for this product.
- No gluten containing ingredients. No detectable gluten when tested to a sensitivity level of less than 5 parts per million (<5 ppm i.e. <5mg/kg)
- Low lactose (lactose <2g/100g).



NUTRISON PROTEIN PLUS

For Healthcare Professional Use Only.

NUTRITION INFORMATION		Per 100ml	Per 1000ml
Energy	kcal	125	1250
	kJ	525	5250
Protein	g	6.3 (20% E)	63
Casein	g	1.6	16
Whey	g	2.2	22
Soy	g	1.3	13
Pea	g	1.3	13
Carbohydrate	g	14.2 (45% E)	142
Sugars	g	0.9	9
as Lactose	g	<0.025	<0.25
Fat	g	4.9 (35% E)	49
Saturates	g	1.3	13
- of which MCT	g	0.7	7
Monounsaturates	g	2.7	27
Polyunsaturates	g	0.9	9
DHA	mg	20.4	204
EPA	mg	30	300
ω6 / ω3 ratio		2.7:1	2.7:1
Fibre	g	<0.1	<1
Water	ml	81	810
Minerals		Per 100ml	Per 1000ml
Sodium	mg	111	1110
	mmol	4.8	48
Potassium	mg	168	1680
	mmol	4.3	43
Calcium	mg	90	900
Phosphorus	mg	90	900
Magnesium	mg	28	280
Chloride	mg	80	800
Ca:P ratio		1:1	1:1

^ In accordance with Australia New Zealand Food Standards Code – Standard 2.9.5

REFERENCES 1. Hurt RT, McClave SA, Martindale RG, et al. Summary Points and Consensus Recommendations From the International Protein Summit. *Nutrition in Clinical Practice*. 2017;32:142S–151S. 2. World Health Organization. Protein and amino acid requirements in human nutrition: report of a joint FAO/WHO/UNU expert consultation. 2007; WHO technical report series ; no. 935. 3. Kuyumcu S, Menne D, Curcic J, et al. Noncoagulating enteral formula can empty faster from the stomach: A double-blind, randomized crossover trial using magnetic resonance imaging. *Journal of Parenteral and Enteral Nutrition*. 2015;39:544-551. 4. van den Braak CC, Klebach M, Abrahamse E, et al. A novel protein mixture containing vegetable proteins renders enteral nutrition products non-coagulating after in vitro gastric digestion. *Clinical Nutrition*. 2013;32:765-771. 5. Klebach M, Hofman Z, Bluemel S, et al. Effect of protein type in enteral nutrition formulas on coagulation in the stomach in vivo: Post hoc analyses of a randomized controlled trial with MRI. Abstract presented at Clinical Nutrition Week, January 16–19; Austin, Tx. *Journal of Parenteral and Enteral Nutrition*. 2016;40:134(21). 6. Luttikhoud J, van Norren K, Rijna H, et al. Jejunal feeding is followed by a greater rise in plasma cholecystokinin, peptide YY, glucagon-like peptide 1, and glucagon-like peptide 2 concentrations compared with gastric feeding in vivo in humans: a randomized trial. *Am J Clin Nutr*. 2016;103:435–443. 7. Abrahamse E, van der Lee S, van den Braak S, et al. Gastric non-coagulation of enteral tube feed yields faster gastric emptying of protein in a dynamic in vitro model. Abstract presented at 34th ESPEN Congress, Sept 8-11; Barcelona, Spain. *Clinical Nutrition Supplements*. 2012;7:PP239(119). 8. Liu J, Klebach M, Abrahamse E, et al. Specific protein mixture reduces coagulation: An in vitro stomach model study mimicking a gastric condition in critically ill patients. Poster presented at 38th ESPEN Congress, 17-20 September; Copenhagen, Denmark. *Clinical Nutrition*. 2016;35:MON-P182 (S220). 9. Beckers EJ, Jeukendrup AE, et al. Gastric emptying of carbohydrate–medium chain triglyceride suspensions at rest. *Int J Sports Med*. 1992 Nov;13(8):581-4. 10. Hunt JN, Knox MT. A relation between the chain length of fatty acids and the slowing of gastric emptying. *J Physiol*. 1968 Feb;194(2):327-36. 11. Cooper DA, Eldridge AL, Peters JC. Dietary carotenoids and certain cancers, heart disease and age-related macular degeneration: A review of recent research. *Nutrition Reviews* 1999; 57: 201-214.

Vitamins		Per 100ml	Per 1000ml
Vitamin A	µg-RE	102	1020
Vitamin D	µg	1.7	17
Vitamin E	mg α-TE	1.6	16
Vitamin K	µg	6.6	66
Vitamin C	mg	13	130
Thiamin	mg	0.19	1.9
Riboflavin	mg	0.2	2
Niacin	mg NE	2.3	23
Vitamin B6	mg	0.21	2.1
Vitamin B12	µg	0.26	2.6
Folic Acid	µg	33	330
Pantothenic Acid	mg	0.66	6.6
Biotin	µg	5	50
Trace Elements		Per 100ml	Per 1000ml
Iron	mg	2.0	20
Zinc	mg	1.5	15
Manganese	mg	0.41	4.1
Copper	mg	0.23	2.3
Iodine	µg	17	170
Molybdenum	µg	13	130
Selenium	µg	7.1	71
Chromium	µg	8.3	83
Fluoride	mg	0.13	1.3
Other		Per 100ml	Per 1000ml
Carotenoids	mg	0.25	2.5
Choline	mg	46	460
Osmolality	mOsmol/ kgH ₂ O	340	340

**Food for special medical purposes
for use under medical supervision.**

For more information call the
Nutricia Clinical Care Line 0800 438 500

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