

Peptamen Junior (liquid)

Nutritionally balanced, whey peptide diet, tailor-made for children.

Peptamen® Junior is a complete and balanced whey peptide liquid diet, tailor-made for children aged 1-10 years. Peptamen® Junior is appropriate for the metabolically stressed children, those with compromised gastro-intestinal function and those with challenging feeding issues. Clinical applications include: early post surgical feeding, malabsorption, chronic diarrhoea, hypoalbuminemia, pancreatic insufficiency, short bowel syndrome, HIV/AIDS, Crohn's disease, growth failure, radiation enteritis, cystic fibrosis, and elevated gastric residuals.

Nutritional profile

Peptamen® Junior is a whey peptide diet with a 1.0 kcal/ml calorie density, and is nutritionally balanced and complete. It has an energy distribution of 12% protein, 35% fat and 53% carbohydrate.

Ingredients

Maltodextrin, whey peptides, sucrose, medium chain triglycerides (MCT), corn starch, soy oil, vitamins, minerals, and trace elements.

Lipid

The lipid sources of Peptamen® Junior are MCT and soy oil.

- 4.0g lipid/100ml or 100kcal

MCT, representing 60% of the lipids, are an easily absorbed and rapidly utilised source of energy.

Peptamen® Junior may be used for patients requiring fat restriction, as long chain triglycerides provide only 14% TEI .

- Essential fatty acids provide 7.5% TEI, exceeding minimum requirements
- ω6/ω3 ratio of 7:1

Fatty acid profile:

Saturated	71%
Monounsaturated	9%
Polyunsaturated	20%

Protein

Peptides, from hydrolysed whey protein, provide an easily absorbed and utilised source of nitrogen.

- 3.0g protein/100ml or 100kcal

Research has shown peptides to offer advantages over free amino acid and intact protein diets.

- Better protein absorption and GI tolerance compared to free amino acid or intact protein diets.
- Better maintenance of GI tract integrity compared to free amino acids or intact proteins.
- Superior protein quality, bioavailability, net utilisation and growth compared to free amino acid or intact protein diets.
- More favourable recovery, outcome and survival in animal studies comparing peptides to free amino acids or intact proteins.

Peptamen® Junior is gluten free.

Carbohydrate

Carbohydrate sources are maltodextrin, sucrose and starch.

- 13.2g carbohydrate / 100ml or 100kcal

This is a moderate carbohydrate formula which is important for patients with glucose intolerance.

Peptamen® Junior is lactose free.

Micronutrients

Vitamin and mineral requirements for children aged 1-3 years are met or exceeded in 1000ml (1000kcal).

Vitamin and mineral requirements for children aged 4-8 years are met or exceeded in 1500ml (1500kcal).

Residue/Fibre

Peptamen® Junior is low residue.

Osmolality / Osmolarity

- 320 mosm/kg H₂O / 270 mosm/l

Peptamen® Junior has a low osmolality to reduce the risk of osmotic diarrhoea.

Packaging

Peptamen® Junior is available in 500ml Dripac®-flex.

Dripac®-flex is an innovative, non-air dependent closed system. Dripac®-flex offers safety, convenience and reduced waste in an easy-to-use enteral feeding system. Ready-to-use, UHT processed.

A full range of compatible sets and devices is also available.

For a regular flow rate, the use of a pump is advisable.

Use under medical supervision.

NUTRITIONAL COMPOSITION		per 100 ml
ENERGY	kcal	100
	kJ	418
PROTEIN	(12% TEI) g	3.0
CARBOHYDRATE	(53% TEI) g	13.2
FAT	(35% TEI) g	4.0
DIETARY FIBRE	g	0
Sodium	mg	48
Potassium	mg	110
Calcium	mg	100
Phosphorus	mg	70
Magnesium	mg	12
Chloride	mg	60
Iron	mg	1.1
Zinc	mg	1.0
Copper	mg	0.10
Manganese	mg	0.060
Fluoride	mg	0.10
Chromium	µg	2.5
Molybdenum	µg	4.5
Selenium	µg	3.0
Iodine	µg	8.0
Vitamin A	µg RE (IU)	75 (250)
β-carotene	mg	0.18
Vitamin D	µg (IU)	1.0 (40)
Vitamin E	mg (IU)	1.0 (1.5)
Vitamin K	mcg	4.0
Vitamin C	mg	8.0
Thiamin (vit. B1)	mg	0.070
Riboflavin (vit. B2)	mg	0.090
Pantothenic acid	mg	0.3
Vitamin B6	mg	0.08
Vitamin B12	µg	0.15
Niacin	mg (mg NE)	0.60 (18)
Folic acid	mcg	20
Biotin	mcg	1.5
Choline	mg	25
Carnitine	mg	4.0
Taurine	mg	8.0

TEI: Total Energy Intake

