

# FRESUBIN® HP ENERGY TUBE FEED



## DESCRIPTION

An unflavoured liquid consisting of protein (milk), fat (soya oil, MCT, linseed oil and fish oil), carbohydrate (maltodextrin), vitamins, minerals and trace-elements.

## PRESENTATION

Nutritionally complete tube feed, fibre free. 1.5kcal/ml energy density with 20% energy from protein. With fish oil, with an adapted fat blend containing 57% of total fat (20% energy) from medium chain triglycerides (MCT). Suitable as a sole source of nutrition. Presented in 500ml and 1000ml EasyBag.

## CONTRA-INDICATIONS

FOR ENTERAL USE ONLY  
NOT SUITABLE FOR CHILDREN UNDER THREE YEARS OF AGE  
NOT SUITABLE FOR PATIENTS WITH GALACTOSAEMIA

## PRECAUTIONS

TO BE USED UNDER MEDICAL SUPERVISION  
ENSURE ADEQUATE FLUID INTAKE  
USE WITH CAUTION IN CHILDREN UNDER 6 YEARS OF AGE  
MONITOR FEEDING RATE  
DO NOT USE IF BAG IS DAMAGED OR SWOLLEN OR CONTENT IS COAGULATED  
DO NOT MIX WITH DRUGS

## INDICATIONS FOR USE

For the dietary management of patients with or at risk of disease related malnutrition, in particular with increased energy and protein needs and/or fluid restrictions and/or fat malabsorption. Food for Special Medical Purposes.

Prescribable on FPI0/GPI0 for the following indications: For the dietary management of disease related malnutrition, short bowel syndrome, intractable malabsorption, pre-operative preparation of malnourished patient, dysphagia, proven inflammatory bowel disease, following total gastrectomy, bowel fistula plus continuous ambulatory peritoneal dialysis (CAPD) and haemodialysis.

## DOSAGE

Dosage should be determined by a healthcare professional according to individual patients' needs.

As a guide: Recommendation for complete nutrition  $\geq$ 1500ml (2250kcal) /day and meets the average adult recommended daily requirements for vitamins, minerals and trace-elements\*.

\*For nutrients excluding vitamin D: Dietary Reference values for Food, Energy and Nutrients for the United Kingdom, Department of Health 1991. For vitamin D: Scientific Advisory Committee in Nutrition.

Vitamin D and Health 2016. For energy: Scientific Advisory Committee on Nutrition. Dietary Reference Values for Energy. TSO London, 2011

## STORAGE

Store at room temperature  
Once opened use within 24 hours  
Shake well before use

## SHELF LIFE

12 months from date of manufacture.

## ENERGY DISTRIBUTION

Protein 20%  
Fat 35%  
Carbohydrate 45%  
Fibre 0%

## ORDER CODES

500ml EasyBag 7085221  
1000ml EasyBag 7011231

## INGREDIENTS

Water, maltodextrin, edible sodium caseinate (from milk), medium chain triglycerides, milk protein, vegetable oils (soya oil, linseed oil), whey protein (from milk), potassium citrate, fish oil, potassium chloride, sodium chloride, calcium chloride, sodium citrate, choline chloride, magnesium oxide, calcium phosphate, vitamin C, acidity regulator (E 330), magnesium citrate, emulsifier (E 471), zinc sulphate, ferric diphosphate, ferrous sulphate, niacin, vitamin E, manganese chloride, pantothenic acid, sodium fluoride, riboflavin, cupric sulphate, vitamin B<sub>6</sub>, thiamin, vitamin A,  $\beta$ -carotene, folic acid, chromium chloride, potassium iodide, sodium molybdate, sodium selenite, biotin, vitamin K, vitamin D, vitamin B<sub>12</sub>

NUTRITIONAL COMPOSITION	Per 100ml	Per 1500ml
ENERGY kcal (kJ)	150 (631)	2250 (9465)
PROTEIN g	7.5	113
CARBOHYDRATE g	17	255
Of which sugars g	1	15
Of which lactose g	$\leq$ 0.1	$\leq$ 1.5
FAT g	5.8	87
Of which saturated fatty acids g	3.7	56
Of which MCT g	3.3	50
Of which monounsaturated fatty acids g	0.6	9
Of which polyunsaturated fatty acids g	1.5	23
Of which EPA & DHA g	0.05	0.75
FIBRE g	0	0
SALT g	0.3	4.5
WATER ml	76	1140
OSMOLARITY mosmol/l		360

MINERALS AND TRACE ELEMENTS	Per 100ml	Per 1500ml
SODIUM mg (mmol)	120 (5.2)	1800 (78)
POTASSIUM mg (mmol)	234 (6)	3510 (90)
CHLORIDE mg (mmol)	184 (5.2)	2760 (78)
CALCIUM mg (mmol)	80 (2)	1200 (30)
PHOSPHORUS mg (mmol)	63 (2)	945 (30.3)
MAGNESIUM mg (mmol)	27 (1.1)	405 (16.5)
IRON mg	1.3	20
ZINC mg	1.2	18
COPPER mg	0.13	2
MANGANESE mg	0.27	4
IODINE $\mu$ g	13.3	200
CHROMIUM $\mu$ g	6.7	100
MOLYBDENUM $\mu$ g	10	150
FLUORIDE mg	0.13	2
SELENIUM $\mu$ g	6.7	100

VITAMINS AND OTHER NUTRIENTS*	Per 100ml	Per 1500ml
VITAMIN A $\mu$ gRE	92	1383
of which $\beta$ - carotene $\mu$ g RE	22	333
VITAMIN D $\mu$ g	1.3	20
VITAMIN E mg $\alpha$ TE	1.3	20
VITAMIN K $\mu$ g	6.7	100
THIAMIN mg	0.13	2
RIBOFLAVIN mg	0.17	2.6
NIACIN mg	1.6(3.3mg NE)	24(49mg NE)
VITAMIN B <sub>6</sub> mg	0.16	2.4
VITAMIN B <sub>12</sub> $\mu$ g	0.27	4
PANTOTHENIC ACID mg	0.47	7
BIOTIN $\mu$ g	5	75
FOLIC ACID $\mu$ g	27	400
VITAMIN C mg	6.7	100
CHOLINE* mg	26.7	400

TYPICAL FATTY ACID PROFILE	g Per 100ml
C6 Caproic acid	0.01
C8 Caprylic acid	1.85
C10 Capric acid	1.33
C12 Lauric acid	0.02
C14 Myristic acid	0.02
C16 Palmitic acid	0.26
C16:1 Palmitoleic acid	0.02
C18 Stearic acid	0.09
C18:1 $\omega$ -9 Oleic acid	0.52
C18:2 $\omega$ -6 Linoleic acid	1.06
C18:3 $\omega$ -3 $\alpha$ -Linolenic acid	0.2
C20:5 $\omega$ -3 Eicosapentaenoic acid	0.03
C22:6 $\omega$ -3 Docosahexaenoic acid	0.02
Other fatty acids from fish	0.01
Ratio $\omega$ -6: $\omega$ -3	4:1

TYPICAL AMINO ACID PROFILE	g Per 100ml
Histidine	0.25
Isoleucine	0.43
Leucine	0.87
Lysine	0.66
Methionine	0.23
Phenylalanine	0.39
Threonine	0.37
Tryptophan	0.10
Valine	0.55
Cysteine	0.08
Tyrosine	0.42
Taurine	-
Glycine	0.16
Arginine	0.28
Glutamine and Glutamic acid	1.7
Proline	0.8
Aspartic acid and asparagine	0.66
Alanine	0.33
Serine	0.46

TYPICAL CARBOHYDRATE PROFILE	g Per 100ml
Glucose	0.30
Fructose	0
Maltose	0.70
Saccharose	0
Lactose	$\leq$ 0.1
Oligosaccharides and Polysaccharides	16