

MONOGEN

Description

Monogen is a nutritionally complete, low fat, whole whey protein powdered feed, low in long chain triglycerides (LCT) and high in medium chain triglycerides (MCT), containing linoleic acid (LA) and alpha-linolenic acid (ALA), and supplemented with docosahexaenoic acid (DHA) and arachidonic acid (AA). Monogen is available in neutral flavour only.

Indications

Monogen is a Food for Special Medical Purposes for use under medical supervision. Monogen is suitable for use as a sole source of nutrition in infants or a supplementary feed for children over the age of one and adults. Monogen is for the dietary management of disorders requiring a low LCT, high MCT intake, such as:

1. Long chain fatty acid oxidation defects (long chain acyl CoA dehydrogenase deficiency (LCAD) and carnitine palmitoyl transferase deficiency (CPTD)).
2. Primary and secondary lipoprotein lipase deficiency (hyperlipoproteinaemia type 1).
3. Chylothorax.
4. Lymphangiectasia.

Preparation and administration

Each level scoop (5.6g) of powder requires 30ml of water to yield the recommended feed concentration (16.8% w/v). It is recommended to use the mixture directly after preparation. **For preparation of infant formula, please see the guidelines at the beginning of this section.** For preparation for older children, please follow guidelines below.

1. Measure out the prescribed amount of Monogen using the scoop provided.
2. Add a small amount of the required water.
3. Stir with a fork until a smooth paste is formed.
4. Continue stirring whilst adding the rest of the required amount of water.

Once reconstituted, store in a refrigerator and use within two hours.

Storage

Monogen is packed in a protective atmosphere and should be kept tightly sealed and stored in a dry, cool place prior to usage. Do not refrigerate. Once opened, reseal the can and store in a dry, cool place (not a refrigerator). Use within one month.

Pack size

400g can.

Ingredients

Maltodextrin, skimmed cow's **milk**, refined vegetable oil (medium chain triglycerides (coconut and/or palm oil), **walnut oil**, high docosahexaenoic acid single cell oil, high arachidonic acid single cell oil), whey protein (from cow's **milk**), caseinate (from cow's **milk**), glucose syrup, sodium citrate, potassium chloride, calcium carbonate, magnesium hydrogen phosphate, choline chloride, L-valine, inositol, L-tryptophan, L-ascorbic acid, sodium L-ascorbate, taurin, L-isoleucine, ferrous sulphate, zinc sulphate, L-carnitine, DL- α -tocopherol, calcium D-pantothenate, copper sulphate, manganese sulphate, pyridoxine hydrochloride, thiamin hydrochloride, retinyl acetate, riboflavin, pteroylmonoglutamic acid, potassium iodide, chromium chloride, sodium molybdate, phytomenadione, D-biotin, sodium selenite, cholecalciferol.



* At recommended dilution 16.8% (5.6g + 30ml water).

MONOGEN			
Average Contents	Unit	per 100g	per 100ml*
Energy	kcal	444	74.6
	kJ	1871	314
Protein	g	12.9	2.2
Carbohydrate	g	69.1	11.6
sugars	g	13.4	2.3
Fat	g	12.9	2.2
saturates	g	11.2	1.9
monounsaturates	g	0.4	0.07
polyunsaturates	g	1.3	0.22
% LCT	%	16	16
% MCT	%	84	84
n6:n3	ratio	4.2:1	-
linoleic acid	mg	900	151
α -linolenic acid	mg	170	28.6
docosahexanoic acid (DHA)	mg	60	10.1
arachidonic acid (AA)	mg	60	10.1
Dietary fibre	g	0	0
Minerals			
sodium	mg (mmol)	213 (9.3)	35.8 (1.6)
potassium	mg (mmol)	413 (10.5)	69.4 (1.8)
chloride	mg (mmol)	315 (8.9)	52.9 (1.5)
calcium	mg (mmol)	357 (8.9)	60 (1.5)
phosphorus	mg (mmol)	214 (6.9)	36 (1.2)
magnesium	mg (mmol)	44 (1.8)	7.4 (0.3)
iron	mg	6.7	1.1
zinc	mg	4.5	0.76
copper	mg	0.36	0.06
manganese	mg	0.36	0.06
molybdenum	μ g	20.9	3.5
selenium	μ g	11.5	1.9
chromium	μ g	10.6	1.8
iodine	μ g	80.3	13.5
Vitamins			
vitamin A	μ g RE	325	54.6
vitamin D	μ g	11.9	2
vitamin E	mg α -TE	4.9	0.82
vitamin K	μ g	17.9	3
thiamin	mg	0.36	0.06
riboflavin	mg	0.49	0.08
niacin	mg (mg NE)	3 (7.8)	0.5 (1.3)
pantothenic acid	mg	2.2	0.37
vitamin B6	mg	0.44	0.07
folic acid	μ g	67.8	11.4
vitamin B12	μ g	0.67	0.11
biotin	μ g	14.2	2.4
vitamin C	mg	60.1	10.1
Others			
choline	mg	101	17
inositol	mg	88.7	14.9
Water			
osmolality (at a 16.8% dilution)	mOsm/kg H ₂ O	-	235