

# MONOGEN

## DESCRIPTION

A nutritionally complete low fat, whole whey protein powdered feed low in long chain triglycerides (LCT) and high in medium chain triglycerides (MCT). For the dietary management of disorders requiring a low long chain triglyceride (LCT), high medium chain triglyceride (MCT) intake, such as long chain fatty acid oxidation defects (LCHADs), chylothorax and lymphangiectasia.

## INDICATIONS

Monogen can be recommended for use in infants as a sole source of nutrition or as a supplementary feed for children over 1 year of age and adults for the dietary management of the following conditions:

1. Hyperlipoproteinaemia type 1
2. Long chain fatty acid oxidation disorders (LCHAD)
3. Chylous ascites
4. Chylothorax
5. Fat malabsorption

## PREPARATION AND ADMINISTRATION

The recommended feed concentration is 16.8% w/v (16.8g Monogen made up to 100ml with water). Each level scoop (5.6g) of Monogen requires 30ml to yield the recommended feed concentration of 16.8%.

## ADMINISTRATION GUIDELINES

The quantity of feed and the dilution should be determined by a clinician or dietitian only and is dependent on the age, body weight and medical condition of the patient.

## PREPARATION GUIDELINES FOR INFANT FORMULA

**THE HEALTH OF THE INFANT DEPENDS ON CAREFULLY FOLLOWING THE DIRECTIONS FOR PREPARATION AND USE. INCORRECT PREPARATION CAN MAKE THE BABY ILL.**

When preparing any infant feed, please follow the guidelines below:

1. Wash hands thoroughly and clean the preparation area. Sterilise bottles and teats (if using).
2. Boil fresh water for five minutes and allow to cool for at least 30 minutes so that it feels warm to the wrist. Pour the required amount of water into a sterilised feeding bottle.
3. Fill the scoop provided with powder and level off with a clean dry knife. Do not press the powder into the scoop. Only use the scoop provided.
4. Add the prescribed number of scoops of powder to the water. Replace cap on the bottle and shake until powder is dissolved. Before feeding, ensure that the formula is at the correct temperature by placing a few drops on the wrist.
5. Formula remaining in the bottle after one hour of feeding should be discarded. Formula must not be rewarmed during feeding.

**Important Notice: Powdered product is not sterile. Product should be prepared immediately prior to feeding and any remaining product should be discarded if not used within one hour. Product should not be warmed for longer than 15 minutes prior to feeding. Do not boil formula and do not use a microwave oven to prepare or warm product.**

## GENERAL PRECAUTIONS

Use under medical supervision. Not for parenteral use. Suitable as a sole source of nutrition for infants only. Suitable for use as a supplementary feed in children >1 year of age and adults.

## STORAGE

Store in a cool, dry place. Always replace the container lid after use. Once opened, use within one month.

## PACK SIZE

400g tin.

## INGREDIENTS

Maltodextrin, Skimmed cow's **milk**, Refined Vegetable oils, (Medium chain triglycerides (Coconut and/or Palm oil), **Walnut** oil, Sunflower oil), Whey protein (from cow's **milk**), Calcium caseinate (from cow's **milk**), Sodium citrate, Glucose syrup, Potassium chloride, Calcium carbonate, Magnesium hydrogen phosphate, Oil from *Cryptocodium cochii*, Choline chloride, Oil from *Mortierella alpine*, L-Valine, Inositol, L-Ascorbic acid, L-Tryptophan, Sodium L-ascorbate, Taurine, Ferrous sulphate, Zinc sulphate, L-Carnitine, DL- $\alpha$  tocopheryl acetate, Nicotinamide, DL- $\alpha$  tocopherol, Calcium D-pantothenate, Copper sulphate, Pyridoxine hydrochloride, Retinyl acetate, Thiamin hydrochloride, Riboflavin, Pteroylmonoglutamic acid, Potassium iodide, Manganese sulphate, Chromium chloride, Sodium molybdate, Phytomenadione, D-Biotin, Sodium selenite, Cholecalciferol.



# MONOGEN

AVERAGE CONTENTS	UNIT	PER 100G	PER 100ML*
<b>Energy</b>	kcal	441	74
	kJ	1859	312
<b>Protein</b>	g	12.8	2.2
<b>Carbohydrate</b>	g	68.6	11.5
sugars	g	11.8	2.0
<b>Fat</b>	g	12.9	2.2
saturates	g	11.3	1.9
monounsaturates	g	0.34	0.06
polyunsaturates	g	1.3	0.22
linoleic acid	mg	870	146
α-linolenic acid	mg	170	29.4
DHA	mg	60	10.4
AA	mg	60	10.4
LCT	g	2.0	0.34
MCT	g	10.9	1.8
LA/ALA	ratio	4.84:1	4.84:1
<b>Dietary fibre</b>	g	0	0
<b>Minerals</b>			
sodium (Na)	mg (mmol)	210 (9.13)	35.3 (1.53)
potassium (K)	mg (mmol)	397 (10.2)	66.7 (1.71)
chloride (Cl)	mg (mmol)	301 (8.49)	50.6 (1.43)
calcium (Ca)	mg (mmol)	365 (9.12)	61.4 (1.53)
phosphorus (P)	mg (mmol)	220 (7.09)	36.9 (1.19)
magnesium (Mg)	mg (mmol)	44 (1.81)	7.39 (0.30)
iron (Fe)	mg	6.63	1.11
zinc (Zn)	mg	4.56	0.77
copper (Cu)	mg	0.36	0.060
manganese (Mn)	mg	0.031	0.005
molybdenum (Mo)	µg	24.0	4.03
selenium (Se)	µg	17.4	2.92
chromium (Cr)	µg	9.93	1.67
iodine (I)	µg	88.5	14.9
<b>Vitamins</b>			
vitamin A	µg	386	64.9
vitamin D <sub>3</sub>	µg	11.9	2.0
vitamin E	mg α-TE	4.92	0.83
vitamin K	µg	17.9	3.01
thiamin (B <sub>1</sub> )	mg	0.36	0.06
riboflavin (B <sub>2</sub> )	mg	0.52	0.09
niacin (B <sub>3</sub> )	mg (mg NE)	3 (7.47)	0.50 (1.25)
pantothenic acid (B <sub>5</sub> )	mg	2.21	0.37
vitamin B <sub>6</sub>	mg	0.44	0.07
folic acid	µg	70.2	11.8
vitamin B <sub>12</sub>	µg	0.63	0.11
biotin	µg	15.5	2.61
vitamin C	mg	59.9	10.1
<b>Others</b>			
choline	mg	101	17.0
inositol	mg	87.4	14.7
<b>Water</b>			
osmolality	mOsmol/kg water	-	240

\*At recommended concentration of 16.8% w/v.

A food for special medical purposes; must be used under strict medical supervision.

For more information contact the Nutricia Care Line:

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