

KETOCAL 3:1

DESCRIPTION

An unflavoured, very high fat, low carbohydrate, nutritionally complete powdered feed. A 3:1 ratio of fat to carbohydrate and protein, with added long chain polyunsaturated fatty acids (LCPs), Docosahexaenoic acid (DHA) and Arachidonic Acid (AA).

INDICATIONS

For the dietary management of drug resistant epilepsy and other conditions where the ketogenic diet is indicated, e.g., disorders of carbohydrate metabolism, such as pyruvate dehydrogenase deficiency and glucose transporter type-1 deficiency. Can be used to administer the classical long-chain triglyceride (LCT) ketogenic diet (3:1). Can be used to provide complete nutritional support or supplementary feeding from birth to 6 years of age. May be used for supplementary feeding over the age of 6 years.

PREPARATION AND ADMINISTRATION

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

The recommended feed concentration is 9.5% w/v i.e. 9.5g KetoCal 3:1 made up to 100ml with water. A lower concentration may initially be required until recommended concentration is tolerated.

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. KetoCal 3:1 must be made up with hot water (45° - 50°C) to fully dissolve. Boil fresh water (for 5 minutes) and allow to cool to approx. 50°C using a sterile thermometer. Pour the required amount of hot water into a sterilised feeding bottle or a sterilised container that seals with a screw-top lid.
3. Weigh out the required amount of KetoCal 3:1.
4. Add the weighed formula to the water. Replace cap on the bottle or container 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.
6. For sip feeding, chill in a refrigerator if desired. Shake or stir formula before use.

Important Notice: Powdered infant formula is not sterile. Infant formula should be prepared immediately prior to feeding and any remaining formula should be discarded if not used within one hour. Formula 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 formula. For tube feeding, flush tube with lukewarm water (approximately 37°C) between each feed to avoid blockage.

ADMINISTRATION GUIDELINES

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

GENERAL PRECAUTIONS

Use under medical supervision. Not for parenteral use. Suitable for use as a sole source of nutrition.

STORAGE

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

PACK SIZE

300g tin.

INGREDIENTS

Refined Vegetable Oils (Palm, **Soy**, Sunflower), **Milk** Protein (casein, whey), **Lactose** (from **Milk**), Calcium Phosphate Tribasic, Tripotassium Citrate, Dried Glucose Syrup, Potassium Chloride, Calcium Phosphate Dibasic, Magnesium Acetate, Choline Bitartrate, L-Cystine, High Arachidonic Acid Single Cell Vegetable Oil, High Docosahexaenoic Acid Single Cell Vegetable Oil, L-Tryptophan, M-Inositol, Ferrous Sulphate, Sodium Caseinate (from cow's **milk**), Sodium Chloride, Sodium Ascorbate, L-Ascorbic Acid, L-Carnitine, Taurine, Emulsifier (E471), Zinc Sulphate, DL-alpha Tocopheryl Acetate, Nicotinamide, Emulsifier (**Soya** Lecithin), Calcium D-Pantothenate, Copper Sulphate, Manganese Sulphate, Thiamine Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Antioxidants (E304, E306), Potassium Iodide, Folic Acid, Chromium Chloride, Sodium Molybdate, Vitamin K₁, Sodium Selenite, D-Biotin, Vitamin D₃, Cyanocobalamin



KETOCAL 3:1

AVERAGE CONTENTS	UNIT	PER 100G	PER 100ML*
Energy	kcal	699	66
	kJ	2887	274
Protein	g	15.3	1.5
Carbohydrate	g	7.2	0.68
sugars	g	6	0.57
lactose	g	5.8	0.55
Fat	g	67.7	6.4
saturates	g	25.5	2.4
monounsaturates	g	22.3	2.1
polyunsaturates	g	16.6	1.6
DHA	mg	116	11
AA	mg	116	11
w6 / w3 ratio		9:1	
Dietary fibre	g	-	-
Minerals			
sodium	mg (mmol)	315 (13.7)	29.9 (1.3)
potassium	mg (mmol)	993 (25.4)	94.3 (2.4)
chloride	mg	481	45.7
calcium	mg	838	79.6
phosphorus	mg	559	53.1
magnesium	mg	105	10
iron	mg	12	1.1
zinc	mg	8.2	0.78
copper	µg	830	78.9
manganese	mg	0.63	0.06
fluoride	mg	-	-
molybdenum	µg	34.4	3.3
selenium	µg	21	2
chromium	µg	28.8	2.7
iodine	µg	124	11.8
Vitamins			
vitamin A	µg RE	525	49.9
vitamin D	µg	12.7	1.2
vitamin E	mg α-TE	7.9	0.75
vitamin K	µg	55.9	5.3
thiamin	mg	0.7	0.07
riboflavin	mg	0.7	0.07
niacin	mg (mg NE)	4.9 (11.2)	0.47 (1.1)
pantothenic acid	mg	2.8	0.27
vitamin B ₆	mg	0.7	0.07
folic acid	µg	140	13.3
vitamin B ₁₂	µg	1.4	0.13
biotin	µg	13.9	1.3
vitamin C	mg	84	8
Others			
choline	mg	180	17.1
myo-inositol	mg	153	14.5
Water			
osmolality	mOsm/kg H ₂ O	-	100

* Made up to standard dilution (9.5% 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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