



PRODUCTS AND PORTFOLIO

A range of products to support all forms of the ketogenic diet, designed to improve seizure control and dietary adherence

This information is intended for Healthcare Professionals only. All products shown are Foods for Special Medical Purposes and must be used under medical supervision.

KETO CAL 4:1 POWDER

KetoCal provides a convenient way of administering KDT: as a drink, in meals or as a tube feed



KetoCal 4:1 powder is a nutritionally complete powder feed available in 300g tins.

FEATURES

BENEFITS

Suitable as the sole source of nutrition or for supplementary feeding	Reassuring and convenient, it minimises the need for additional supplementation
Available in vanilla or unflavoured	A convenient ingredient for both sweet and savoury ketogenic meals
4:1 ratio (fat: carbohydrate + protein)	Peace of mind through accurate ratio and nutritional profile
Advanced fat profile	Reduces the intake of saturated fat for long-term health benefits and includes the EFAs, DHA and AA and LCPLs ¹⁻³
Contains multifibre 6	To help meet fibre needs, as fibre intake is reduced on a KDT, and support gut health ^{4,5}
Can be used in all forms of KDT: Classical, MCT or MKD	Suitable for patients on all forms of KDT
Versatile easy to mix powder	Ideal for tube feeding, baking and for more variety at meal times to help aid adherence
Contains carnitine	Plays an important role in energy metabolism ⁷ and can be deficient in patients taking certain AEDs ⁸



NUTRITION INFORMATION

	UNIT	PER 100G POWDER	PER 100 KCAL	PER 100ML*
Energy	kcal	703	100	150
	KJ	2897	411	617
Protein	g	14.35	2.0	3.0
Carbohydrate	g	2.9	0.41	0.62
Sugars	g	1.0	0.14	0.21
Lactose	g	0.38	0.05	0.08
Fat	g	69.2	9.8	14.7
Saturates	g	26.7	3.8	5.7
Monounsaturates	g	22.8	3.2	4.9
Polyunsaturates	g	19.7	2.8	4.2
Arachidonic acid (AA)	mg	117	17	25.5
Docosahexaenoic acid (DHA)	mg	110	15.6	23.4
LCT	%	100	100	100
Dietary fibre	g	5.3	0.75	1.1
Carnitine	mg	45	6.4	9.6

INGREDIENTS (VANILLA FLAVOUR)

Refined Vegetable Oils (Palm, **Soy**, Sunflower), **Milk** Protein (Casein, Whey), **Soy** Lecithin, Dietary Fibres (Cellulose, Inulin, Oligofructose, Arabic Gum, Resistant Starch, **Soy** Polysaccharides), Calcium Carbonate, Dried Glucose Syrup, Anti-caking Agent (E551), Tripotassium Citrate, Potassium Chloride, Sodium Chloride, Calcium Phosphate Tribasic, Flavouring, L-Arginine, L-Cystine, Choline Bitartrate, High Arachidonic Acid Oil from *Mortierella Alpina*, High Docosahexaenoic Acid Oil from *Cryptocodinium Cohnii*, L-Tryptophan, Magnesium Oxide, Sodium Caseinate (from cow's **milk**), Sodium Ascorbate, L-Phenylalanine, Maltodextrin, L-Ascorbic Acid, L-Valine, L-Tyrosine, L-Carnitine, Taurine, Ferrous Sulphate, Emulsifier (E471), DL- α -Tocopheryl Acetate, Artificial Sweetener (Sucralose), Inositol, L-Histidine, Zinc Sulphate, Nicotinamide, Calcium D-Pantothenate, Manganese Sulphate, Copper Sulphate, Thiamin Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Antioxidants (E304, E306), Folic Acid, Potassium Iodide, Sodium Molybdate, Chromium Chloride, Sodium Selenite, Vitamin K1, D-Biotin, Vitamin D3, Cyanocobalamin

*100ml + 21.3g powder = 21.3% w/v

KETOCAL 4:1 LQ

KetoCal provides a convenient way of administering KDT: as a drink, in meals or as a tube feed



KetoCal 4:1 LQ is a ready to drink liquid available in 200ml cartons. Convenient as a supplementary drink or easily incorporated into tube feeding regimens.

FEATURES

BENEFITS

Suitable as the sole source of nutrition or for supplementary feeding

Reassuring and convenient, it minimises the need for additional supplementation

Ready to drink liquid

Can be used for tube or oral feeding. Convenient and practical. No mixing, measuring or weighing required. Reduces errors in preparation

Available in vanilla or unflavoured

A choice to help enhance acceptability for each individual patient

4:1 ratio (fat: carbohydrate + protein)

Peace of mind through accurate ratio and nutritional profile

Advanced fat profile

Reduces the intake of saturated fat for long-term health benefits and includes the EFAs, DHA and AA and LCPs¹⁻³

Contains multifibre 6

To help meet fibre needs, as fibre intake is reduced on a KDT, and support gut health^{4,5}

Can be used in all forms of KDT: Classical, MCT or MKD

Suitable for patients on all forms of KDT

AVERAGE CONTENTS*

	UNIT	PER 100ML	PER 200ML CARTON
Energy	kcal	150	300
	KJ	620	1240
Protein	g	3.09	6.18
Carbohydrate	g	0.61	1.22
Sugars	g	0.39	0.78
Lactose	g	0.044	0.088
Fat	g	14.8	29.6
Saturates	g	2.2	4.4
Monounsaturates	g	8.3	16.6
Polyunsaturates	g	3.7	7.4
Arachidonic acid (AA)	mg	55	110
Docosahexaenoic acid (DHA)	mg	55	110
LCT	%	100	100
Dietary fibre	g	1.12	2.24
Carnitine	mg	8.3	16.6

INGREDIENTS (UNFLAVOURED)

Water, Refined Vegetable Oil (High Oleic Sunflower, Soy, Palm Oil), Sodium Caseinate (from Cow's Milk), Dietary fibres (Soy Polysaccharides, Resistant Starch, Inulin, Arabic Gum, Cellulose, Oligofructose), Whey (Cow's Milk) protein concentrate, Emulsifiers (E472c, E471, Soy lecithin), Sugar, Dipotassium Hydrogen Phosphate, Calcium Chloride, High Arachidonic Oil from *Mortierella alpina*, Magnesium Acetate, Potassium Chloride, High Docosahexaenoic Acid Oil from *Cryptocodinium cohnii*, L-Ascorbic Acid, Calcium Phosphate Monobasic, Tri Sodium Citrate, Sodium Hydroxide, Choline Chloride, L-Cystine, Calcium Phosphate Dibasic, Stabiliser (E405), Ferrous Lactate, L-Carnitine, Taurine, M-Inositol, L-Tryptophan, Zinc, Sulphate, DL- α -Tocopheryl Acetate, Nicotinamide, Calcium D-Pantothenate, Manganese Sulphate, Antioxidants (E304, E306, E307), Copper Sulphate, Thiamin Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Vitamin K1, D-Biotin, Vitamin D3, Cyanocobalamin.

*Unflavoured version

*For vanilla flavour please see individual packaging.

KETOCAL 3:1 POWDER

KetoCal provides a convenient way of administering KDT: as a drink, in meals or as a tube feed



KetoCal 3:1 is an unflavoured powder available in 300g tins. Provides complete nutritional support from birth, or may be used as a supplementary feed over the age of 6.

FEATURES

BENEFITS

Suitable as the sole source of nutrition or for supplementary intakes from birth

Reassuring and convenient, it minimises the need for additional supplementation

Versatile, easy to mix, powder

Ideal for tube feeding, baking and for more variety at meal times to help aid compliance

Contains carnitine

Plays an important role in energy metabolism⁷ and can be deficient in patients taking certain AEDs⁸

Can be used in all forms of KDT: Classical, MCT or MKD

Suitable for patients on all forms of KDT

Advanced fat profile

Reduces the intake of saturated fat for long-term health benefits and includes the EFAs, DHA and AA and LCs¹⁻³

3:1 ratio (fat: carbohydrate + protein)

Peace of mind through accurate ratio and nutritional profile

AVERAGE CONTENTS

	UNIT	PER 100G	PER 100ML*
Energy	kcal	699	66
	KJ	2887	274
Protein	g	15.3	1.5
Carbohydrates	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
Arachidonic acid (AA)	mg	116	11
Docosahexaenoic acid (DHA)	mg	116	11
LCT	%	100	100
Dietary fibre	g	nil added	nil added
Carnitine	mg	48	4.6

INGREDIENTS

Refined Vegetable Oil (Palm, Soy, Sunflower), Cow's 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 Oil from *Mortierella alpina*, High Docosahexaenoic Acid Oil from *Cryptocodium cohnii*, 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- α Tocopheryl Acetate, Nicotinamide, Emulsifier (Soya Lecithin), Calcium D-Pantothenate, Copper Sulphate, Manganese Sulphate, Thiamin 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.

* 9.5g product + 90ml water = 9.5% w/v

KETOCAL 2.5:1 LQ

KetoCal provides a convenient way of administering KDT: as a drink, in meals or as a tube feed



KetoCal 2.5:1 LQ is a vanilla flavoured ready to drink liquid available in 200ml cartons. Convenient as a supplementary drink or easily incorporated into tube feeding regimens.

Specifically designed to meet the protein requirements of adolescents and adults.

FEATURES

BENEFITS

Suitable as the sole source of nutrition or for supplementary feeding

Reassuring and convenient, it minimises the need for additional supplementation

Ready to drink liquid

Can be used for tube or oral feeding. Convenient and practical. No mixing, measuring or weighing required. Reduces errors in preparation

2.5:1 ratio (fat : carbohydrate + protein)

Peace of mind through accurate ratio and nutritional profile

Advanced fat profile

May help keep lipid profile within the normal range¹⁻³

Contains multifibre 6

To help meet fibre needs, as fibre intake is reduced on a KDT, and support gut health^{4,5}

Can be used in all forms of KDT: Classical, MCT or MKD

Suitable for patients on all forms of KDT

AVERAGE CONTENTS

	UNIT	PER 100ML	PER 200ML CARTON
Energy	kcal	153	306
	KJ	637	1274
Protein	g	4.5	9.0
% of total energy	%	12	12
Carbohydrates	g	1.1	2.2
Sugars	g	0.8	1.6
Lactose	g	0.11	0.22
% of total energy	%	3	3
Fat	g	14.3	28.6
Saturates	g	4.8	9.6
Monounsaturates	g	8.0	16.0
Polyunsaturates	g	1.5	3.0
Medium chain triglycerides	g	3.6	7.2
Docosahexaenoic acid (DHA)	mg	58	116
Arachidonic acid (AA)	mg	-	-
LCT	%	74.4	74.4
MCT	%	25.6	25.6
% of total energy	%	84	84
Dietary fibre	g	1.1	2.2
Soluble	g	0.56	1.1
Insoluble	g	0.56	1.1
% of total energy	%	1	1

INGREDIENTS

Water, Refined Vegetable Oil (High Oleic Sunflower Oil, Medium Chain Triglycerides (Palm Kernel and/or Coconut Oil), Soya Oil), Sodium Caseinate (from Cow's **Milk**), Dietary Fibres (**Soy** Polysaccharides, Resistant Starch, Inulin, Acacia Gum, Cellulose, Oligofructose), Whey Protein Concentrate (from Cow's **Milk**), Sugar, Tripotassium Citrate, Emulsifiers (E472c, E471), Calcium Chloride, Flavourings, Magnesium Acetate, Dipotassium Hydrogen Phosphate, High Docosahexaenoic Acid Single Cell Vegetable Oil from *Cryptocodium cohnii*, Calcium Phosphate Monobasic, Potassium Chloride, Maltodextrin, Trisodium Citrate, Choline Chloride, Sodium Hydroxide, L-Cystine, L-Ascorbic Acid, Calcium Phosphate Tribasic, Artificial Sweetener (Sucralose), Stabiliser (E405), L-Carnitine, Ferrous Lactate, Taurine, M-Inositol, L-Tryptophan, DL- α -Tocopheryl Acetate, Zinc Sulphate, Nicotinamide, Calcium D-Pantothenate, Manganese Sulphate, Copper Sulphate, Thiamin Mononitrate, Pyridoxine Hydrochloride, Vitamin A Palmitate, Riboflavin, Antioxidants (E304, E306), Folic Acid, Potassium Iodide, Sodium Molybdate, Chromium Chloride, Vitamin K1, Sodium Selenite, D-Biotin, Vitamin D3, Cyanocobalamin.

MCT OIL



A nutritionally incomplete unflavoured liquid that consists of 100% Medium Chain Triglycerides (MCT) and can be used as part of a ketogenic diet.

FEATURES

BENEFITS

500ml resealable plastic bottles	Convenient for every day use
100% MCT fat emulsion	Low volume needed to meet requirements
Can be used as part of a modular feed	Adaptable for use with tube fed patients
Suitable for cooking	More variety at meal times to aid compliance (see our great range of recipe books)
Can be used in all forms of KDT: Classical, MCT or MKD	Suitable for patients on all forms of KDT
Suitable for all ages	Reassuring and convenient

AVERAGE CONTENTS

UNIT PER 100ML

	UNIT	PER 100ML
Energy	kcal	855
	KJ	3515
Protein	g	0
Carbohydrates	g	0
Fat	g	95
Saturates	g	95
% MCT	%	100

INGREDIENTS

MCT Oil.

LIQUIGEN



A nutritionally incomplete unflavoured liquid that consists of 50% Medium Chain Triglycerides (MCT) emulsion and can be used as a part of a ketogenic diet.

FEATURES

BENEFITS

250ml resealable plastic bottles

No wastage and doses can be varied to build up tolerance

50% MCT fat emulsion

Low volume needed to meet requirements

Suitable for all ages

Reassuring and convenient

Can be easily flavoured

Helps aid compliance

Can be used as part of a modular feed

Adaptable for using with tube feed patients

Can be used as a milk substitute or as a cooking ingredient

Versatile and can be used in a range of ketogenic diets

NUTRITION INFORMATION

	UNIT	PER 100ML	PER 250ML BOTTLE
Energy	kcal	450	1125
	KJ	1850	4625
Protein	g	nil added	nil added
Carbohydrate	g	nil added	nil added
Fat	g	50	125
Saturates	g	47.1	118
of which MCT	g	45.4	114

INGREDIENTS

Refined vegetable oil (medium chain triglycerides (palm kernel and/or coconut oil)), water, emulsifier (E472c, E471), citric acid.

CALOGEN



A high energy Long Chain Triglycerides (LCT) fat emulsion that can be used as part of a ketogenic diet.

FEATURES

BENEFITS

0.1g carbohydrate per 100ml*

Low carbohydrate for suitability of use with ketogenic patients

Available in 200ml and 500ml presentations

Flexible presentations for convenience

Suitable for use from birth

Reassurance that ketogenic patients of any age can use Calogen neutral

Ready to feed liquid

Can be used as a milk substitute, cookery ingredient or added to modular feeds for tube feeding

50% LCT emulsion

LCT requirements can be met in a low volume

*Neutral flavour only

AVERAGE CONTENTS

UNIT

PER 100ML

Energy	kcal	450
	KJ	1850
Protein	g	0
Carbohydrate	g	0.1
Sugars	g	0
Fat	g	50
Saturates	g	5.3
Monounsaturates	g	30.4
Polyunsaturates	g	14.3
% LCT	%	100

INGREDIENTS (NEUTRAL)

Vegetable oils (rapeseed oil, sunflower oil), demineralised water, emulsifier (citric acid esters of mono and diglycerides of fatty acids).

PHLEXY-VITS



An unflavoured powder that provides vitamins, minerals and trace elements to help support ketogenic patients in achieving adequate micronutrient intake.

FEATURES

BENEFITS

Contains vitamins, minerals and trace elements	1 sachet can help meet the micronutrient needs of patients aged 11 and older. Powder can be measured to meet the needs of younger children
7g dose sachets or tablets	Flexible formats for added convenience and adaptable to individual needs
0.5g carbohydrate per 100g	Low in carbohydrate for patients following a ketogenic diet

AVERAGE CONTENTS

	UNIT	PER 100G	PER SACHET (7G)
Energy	kcal	3	0.2
	KJ	14	1
Protein	g	0.3	0.02
Carbohydrate	g	0.5	0.04
sugars	g	0.5	0.04
Fat	g	nil added	nil added
saturates	g	nil added	nil added
Dietary fibre	g	5.8	0.4
Minerals			
sodium	mg (mmol)	125 (5.4)	8.8 (0.4)
potassium	mg (mmol)	20 (0.5)	1.4 (0.04)
chloride	mg (mmol)	5 (0.1)	0.35 (0.01)

AVERAGE CONTENTS

	UNIT	PER 100G	PER SACHET (7G)
calcium	mg (mmol)	14286 (357)	1000 (25)
phosphorus	mg (mmol)	11072 (357)	775 (25)
magnesium	mg (mmol)	4286 (179)	300 (12.5)
iron	mg	215	15
zinc	mg	158	11
copper	ug	21500	1505
manganese	mg	21.5	1.5
molybdenum	ug	1000	70
selenium	ug	1072	75
chromium	ug	429	30
iodine	ug	2143	150
Vitamins			
vitamin A	ug	11430	800
vitamin D	ug	143	10
vitamin E	mg a (α-TE)	129	9
vitamin K	ug	1000	70
thiamin	mg	17.1	1.2
riboflavin	mg	20	1.4
niacin	mg NE	286	20
pantothenic acid	mg	71.5	5
vitamin B6	mg	22.9	1.6
folic acid	ug	10000	700
vitamin B12	ug	71.5	5
biotin	ug	2143	150
vitamin C	mg	715	50

INGREDIENTS

Calcium Phosphate Dibasic, Magnesium Acetate, Stabiliser (E412), L-Ascorbic Acid, Ferrous Sulphate, Dextrose, Zinc Sulphate, Nicotinamide, DL-alpha Tocopheryl Acetate, Copper Gluconate, Calcium D-Pantothenate, Manganese Sulphate, Pyridoxine Hydrochloride, Thiamin Mononitrate, Riboflavin, Vitamin A Acetate, Folic Acid, Potassium Iodide, Sodium Molybdate, Sodium Selenite, D-Biotin, Chromium Chloride, Vitamin K1, Vitamin D3, Cyanocobalamin.

PROTIFAR



A high protein powder available in 225g tins.

FEATURES

BENEFITS

A high source of protein

Enables ketogenic patients to meet protein requirements in small volumes

Versatile easy to mix powder, low in carbohydrate

Can be added to ketogenic recipes to increase protein content whilst providing minimal carbohydrate

Neutral flavour

Can be used as an ingredient in ketogenic meals or feeds without altering the taste

Can be used as part of a modular feed

Adaptable for using with tube fed patients

Suitable for use with patients 3 years and above

Reassurance that protein requirements for ketogenic patients 3 years and above can be met



AVERAGE CONTENTS

UNIT

PER 100ML

PER 2.5G SCOOP

Energy	kcal	368	9
	KJ	1560	39
Protein	g	87.2	2.2
Carbohydrate	g	1.2	0.03
Sugars	g	1.2	0.03
Lactose	g	1.2	0.03
Fat	g	1.6	0.04
Saturates	g	1.2	0.03
Dietary fibre	g	0	0

INGREDIENTS (NEUTRAL)

Concentrated cow's milk protein, emulsifier (soy lecithin).

MAXIJUL



A powdered carbohydrate energy source which can be mixed.

FEATURES

BENEFITS

Source of CHO	Easily adapt ratios of ketogenic meals or tube feeds
Available in 200g tins and 132g sachets	Flexible presentations for convenience
Neutral flavour	Can be used as an ingredient in ketogenic meals or feeds without altering the taste
Versatile, easy to mix, powder	Add to sweet or savoury food and liquids and suitable for baking, boiling or freezing
Can be used as part of a modular feed	Adaptable for using with tube fed patients
Suitable for use from birth	Reassurance that ketogenic patients of any age can use Maxijul



AVERAGE CONTENTS

	UNIT	PER 100G	PER 100ML*
Energy	kcal	380	125
	KJ	1615	533
Protein	g	0	0
Carbohydrate	g	95	31.4
Sugars	g	8.6	8.6
Fat	g	0	0
Dietary fibre	g	0	0

INGREDIENTS

Dried glucose syrup.

*Recommended dilution 75g + 150ml water (1:2)

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