



KetoCal® 4:1 LQ

A nutritionally complete, ready-to-feed ketogenic formula in a 4:1 ratio (fat:carbohydrate + protein) for the dietary management of refractory epilepsy and other epilepsy-related conditions where the medical ketogenic diet is indicated; designed for individuals over 1 year of age. A medical food.

Main Features:

- Nutritionally complete
- 4:1 ratio
- DHA and ARA
- Great vanilla flavor or unflavored
- Convenient ready-to-feed liquid
- Appropriate for enteral or oral feedings
- Contains a multi-fiber blend
- Contains sucralose
- 0 g of *trans* fat
- Nutrient dense for children with low energy requirements
- Osmolality (at 1.5 kcal/mL):
 Vanilla 260 mOsm/kg H₂O
 Unflavored 280 mOsm/kg H₂O
- Energy distribution:
 Protein 8.2%
 Carbohydrate 3.1%
 Fiber 1.5%
 Fat (LCT 100%) 88.7%
 Free water 77.8%
 Density 1.01g/mL

Indications:

- Refractory or intractable epilepsy
- Other epilepsy-related conditions where the ketogenic diet is indicated, including:
 - Glucose transporter type-1 deficiency syndrome (GLUT1)
 - Pyruvate dehydrogenase deficiency (PDH)
 - Dravet syndrome
 - Super Refractory Status Epilepticus (SRSE)

For details on administration, please see the end of this section.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Carton
113354 - Vanilla	49735-0187-96	B4154, B4157 B4162	27 x 237 mL (8 fl oz)	356
113357 - Unflavored	49735-0130-54	B4154, B4157 B4162	27 x 237 mL (8 fl oz)	356

WIC*: Contact your state WIC office to determine availability.

For more reimbursement information see *Resources*.

Nutrition Information:

Nutrients	Per 100 mL	Per Carton (237 mL)	Minerals, Trace Elements	Per 100 mL	Per Carton (237 mL)
Calories	150	356	Calcium, mg	88.4	210
Protein, g	3.09	7.32	Phosphorus, mg	88.4	210
Carbohydrate, g	1.73	4.10	Magnesium, mg	22.7	53.8
Fiber, g	1.12	2.65	Iron, mg	1.5	3.6
Soluble, g	0.56	1.33	Zinc, mg	12	2.8
Insoluble, g	0.56	1.33	Manganese, mg	0.18	0.43
Fat, g	14.8	35.1	Copper, mcg	120	284
Saturates, g	2.2	5.2	Iodine, mcg	18.5	43.8
Monounsaturates, g	8.3	19.7	Molybdenum, mcg	6.2	14.7
Polyunsaturates, g	3.7	8.8	Chromium, mcg	3.2	7.6
Linoleic Acid, mg	3228	7650	Selenium, mcg	7.1	16.8
α-Linolenic Acid, mg	313	741	Sodium, mg (mEq)	103 (4.5)	244 (10.6)
DHA, mg	55.0	131	Potassium, mg (mEq)	165 (4.2)	391 (10.02)
ARA, mg	55.0	131	Chloride, mg (mEq)	155 (4.4)	367 (10.4)
Vitamins			L-Carnitine, mg	8.3	19.7
Vitamin A, IU (mcg RE)	264 (79.2)	626 (188)	Taurine, mg	6.3	14.9
Vitamin D, IU (mcg)	92.0 (2.3)	220 (5.5)			
Vitamin E, IU (mg α-TE)	2.3 (15)	5.5 (36)			
Vitamin K, mcg	5.6	13.3			
Thiamin, mg	0.19	0.45			
Riboflavin, mg	0.15	0.36			
Vitamin B6, mg	0.15	0.36			
Vitamin B12, mcg	0.17	0.40			
Niacin, mg	1.5	3.6			
Folic Acid, mcg	28.7	68.0			
Pantothenic Acid, mg	0.62	1.5			
Biotin, mcg	4.1	9.7			
Vitamin C, mg	9.3	22.0			
Choline, mg	51.5	122			
Inositol, mg	4.1	9.7			

Fiber is subtracted from total carbohydrate when calculating the ketogenic ratio

Ingredients:

Water, Refined Vegetable Oil (High Oleic Sunflower, Soy, Palm), Sodium Caseinate (Milk), Whey Protein Concentrate (Milk), Soy Fiber, Corn Starch, Inulin, CITREM, Dipotassium Phosphate, Gum Arabic, Calcium Chloride, *M. alpina* Oil*, Magnesium Acetate, Potassium Chloride, *C. cohnii* Oil**, Microcrystalline Cellulose, Fructooligosaccharide, L-Ascorbic Acid, Calcium Phosphate Monobasic, Mono and Diglycerides, Trisodium Citrate, Sodium Hydroxide, Choline Chloride, L-Cystine, Calcium Phosphate Dibasic, Propylene Glycol Alginate, Ferrous Lactate, L-Carnitine, Taurine, M-Inositol, L-Tryptophan, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Soy Lecithin, Niacinamide, Calcium D-Pantothenate, Manganese Sulfate, Ascorbyl Palmitate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Mixed Tocopherols, DL-Alpha Tocopherol, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D3, Cyanocobalamin.

Contains: Milk, Soy

Unflavored version also contains: Sugar.

Vanilla flavored version also contains: Artificial Flavor, Sugar, Artificial Sweetener: Sucralose.

* A Source of Arachidonic Acid (ARA)

** A Source of Docosahexaenoic Acid (DHA)

Access our Clinician Resources, including DRI Calculator here:
<http://bit.ly/NutriciaHCPTools>