

What changes have been made to KetoCal 4:1 Powder?

We have made improvements to the consistency of the powder in order to make mixing easier for patients, families, and healthcare providers. With this reformulation come minor changes in caloric content and a few changes to the vitamins and minerals. These nutritional changes should not affect the amount of KetoCal recommended and will still meet nutrition needs for your patients based on their age, weight, and medical condition.



Why was the product changed?

We periodically improve our products based on the latest medical and scientific consensus and customer feedback. We want to ensure our consumers receive the best possible product. We listened to your feedback and are providing a powder that has a finer texture for better mixing.

Have the macronutrients or micronutrients changed?

Yes, there have been a few changes to the micro- and macronutrients. Insignificant changes were made to the caloric density and fiber composition, although the fiber amount remains the same. For full details on the changes, see the full nutrient breakout below.

Do these micronutrient changes affect the amount of KetoCal needed for my patient?

KetoCal will still meet the DRI's for micronutrients, even for children with lower caloric needs. It is best to monitor patient status and lab values as necessary, as medications and medical conditions may change nutrient needs.

Have the ingredients changed?

Yes, you may notice new additions to the ingredient list, which reflect the macronutrient and micronutrient changes. Please see below for a complete ingredient list.

Does the new product taste/smell/look different?

You may notice slight changes in the taste, smell and look of the reformulated KetoCal powder, both in the can and after mixing. The texture of the powder has a finer consistency, the powder looks slightly lighter in color but still has a cream color and you may notice a mild change in the taste.

Has the case or can label changed?

The label will still look similar to previous versions, except it is now available in English and French (for Canada).

How do I know if I have the new version of the product?

If your product has an expiration date of September 2017 or after, it is the new formulation. The new label is also bilingual.

Have the calories per gram changed?

The calories per gram have changed very slightly. The previous formula contained 7.01 calories per gram while the updated formula contains 7.05 calories per gram.

Do I need to recalculate my diet calculations?

Diet recalculations are most likely not necessary as the calories per gram have changed only slightly from 7.01 to 7.05 calories per gram.

Have the mixing instructions changed?

No, the mixing instructions have not changed when using a gram scale. Please see the label for full mixing instructions.

Do I need to transition patients onto the updated formulation?

For most patients, there is no need to transition to the renovated version of KetoCal 4:1 because the changes are relatively small. If a patient is especially sensitive to any minor changes in the diet or has difficulty with the

transition, you may choose to gradually switch to help ensure a smooth transition. If so, you might start with $\frac{1}{4}$ reformulated product and $\frac{3}{4}$ previous product for a few days, then go to $\frac{1}{2}$ and $\frac{1}{2}$ for a few days, then $\frac{3}{4}$ and $\frac{1}{4}$, until you reach 100% of the reformulated product. We are happy to help you calculate the amounts required to transition this way.

Will the household measurements change?

While we recommend using a gram scale to measure the appropriate amount of KetoCal, we realize that household measurements are sometimes used for recipes. The household measurements of the reformulated powder are different. Please see the new household measurements below.

Household Measurement	Grams of KetoCal Powder Current Product	Grams of KetoCal Powder NEW Reformulated Product
1 teaspoon	1.5 g	1.9 g
$\frac{1}{4}$ cup (60 mL)	18 g	24 g
$\frac{1}{3}$ cup (80 mL)	24 g	32 g
$\frac{1}{2}$ cup (120 mL)	36 g	46 g
1 cup (240 mL)	71 g	89 g

Has the osmolality changed?

No, the osmolality has not changed.

Have the calories per can changed?

Yes, the calories per can have increased slightly. The previous formulation provided 2103 calories per can while the updated formulation provides 2115 calories per can.

Has the product code changed?

Yes, the product code has changed.

Old product code	New product code
82286	101777

Has the reimbursement code changed?

No, the reimbursement code is still 49735-0166-70.

Has the HCPCS code changed?

No, the HCPCS code is still B4154.

Has the pack size changed?

No, the product is still sold in cases of six 300 g (11 oz) cans.

Has the price changed?

No, the price has not changed.

If I use 100 kcal billing units, will the billing units per can change?

No, the slight calorie difference does not have an effect on the 21 billing units per can.

I still have questions that have not been answered. What do I do?

Our team of Nutrition Specialists is more than happy to help. Please contact them at 1-800-365-7354, Option 2. We are open Monday-Friday, 8:30 am-5 pm EST.

Product	Per 100 g KetoCal 4:1 Current	Per 100 g KetoCal 4:1 NEW Formulation
Energy, kcal	701	705
Protein, g	14.4	14.4
Carbohydrate, g	8.1	8.2
Fiber, g	5.3	5.3
Soluble Fiber, g	2.6	3.2
Insoluble Fiber, g	2.6	2.1
Fat, g	69.1	69.2
Saturated, g	24.9	26.7
Trans, g	0	0
Monounsaturated, g	20.8	22.8
Polyunsaturated, g	20.4	19.7
DHA, mg	119	110
ARA, mg	119	112
Minerals/Trace Elements		
Calcium, mg	771	700
Phosphorus, mg	600	420
Magnesium, mg	106	96.3
Iron, mg	7.0	7.0
Zinc, mg	5.7	3.6
Manganese, mg	0.84	0.83
Copper, mcg	580	500
Iodine, mcg	86.2	86.2
Molybdenum, mcg	28.7	28.7
Chromium, mcg	14.7	14.8
Selenium, mcg	32.9	27.0
Sodium, mg	480	481
Potassium, mg	771	771
Chloride, mg	722	726
Vitamins		
Vitamin A, IU (mcg RE)	1232 (370)	1232 (370)
Vitamin D, IU (mcg)	420 (10.5)	420 (10.5)
Vitamin E, IU (mg α TE)	10.7 (7.2)	15.9 (10.7)
Vitamin K, mcg	26.3	31.0
Thiamin, mg	0.89	0.89
Riboflavin, mg	0.70	0.70
Vitamin B ₆ , mg	0.70	0.70
Vitamin B ₁₂ , mcg	0.77	1.3
Niacin, mg	7.0	4.9
Folic Acid, mcg	134	116
Pantothenic Acid, mg	2.9	2.9
Biotin, mcg	19.1	19.1
Vitamin C, mg	43.5	40.0
Choline, mg	330	320
Inositol, mg	19.1	19.1



**LIST OF INGREDIENTS –
Reformulated product**

Refined Vegetable Oils (Palm, Soy, High Oleic Sunflower), Casein (Milk), Soy Lecithin, Whey (Milk), Microcrystalline Cellulose, Chicory Root Inulin, Calcium Carbonate, Corn Syrup Solids, Fructooligosaccharide (FOS), Silicon Dioxide, Gum Arabic, Tripotassium Citrate, Potassium Chloride, Sodium Chloride, Calcium Phosphate Tribasic, High Amylose Corn Starch, Artificial Flavor (Vanilla), L-Arginine, L-Cystine, Choline Bitartrate, M. Alpina Oil, C. Cohnii Oil, Soy Fiber, L-Tryptophan, Magnesium Oxide, Sodium Caseinate (Milk), Sodium Ascorbate, L-Phenylalanine, Maltodextrin, L-Ascorbic Acid, L-Valine, L-Tyrosine, L-Carnitine, Taurine, Ferrous Sulfate, Mono- and Diglycerides, DL-alpha Tocopheryl Acetate, Sucralose*, M-Inositol, L-Histidine, Zinc Sulfate, Niacinamide, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Ascorbyl Palmitate, Mixed Tocopherols, Folic Acid, Potassium Iodide, Sodium Molybdate, Chromium Chloride, Sodium Selenite, Phylloquinone, D-Biotin, Cholecalciferol, Cyanocobalamin.

CONTAINS : Milk, Soy

*Contains sucralose 14.2 mg/100 mL