

UPDATED FORMULATION – SAME MCT %

Dear Healthcare Professional,

We are writing to inform you about upcoming formulation changes for our medical food product Monogen®. Monogen is a milk protein-based powder that is high in medium chain triglycerides (MCT), low in fat, and contains vitamins and minerals.

Monogen is indicated for the dietary management of long chain fatty acid oxidation disorders, chylothorax, and other conditions where a low fat, high MCT diet is necessary in individuals over one year of age.



Updates to Formulation

Nutricia offers medical foods, including Monogen, in multiple countries.

We ensure compliance with regulations in all countries where we operate and therefore regularly review and assess our product portfolio.

Given changes to European regulations, we are making minor adjustments to the Monogen recipe. These adjustments do not affect the overall fat content of Monogen, and the ratio of MCT/ LCT in Monogen remains the same. The impact on MCT and LCT content is minimal. There are also small changes to the vitamin and mineral profile.

For further details, see the Comparison Chart at the end of this document.

Usage Adjustment

Due to the increase in Vitamin A, Monogen should only be used as a supplemental source of nutrition in patients over one year of age in the U.S. and Canada.

Same Ordering Process

There are no changes to the Nutricia ordering code for Monogen, which is 106033. Your patients will start receiving this updated product in late September to early October 2020.

Please let us know if there are any questions. You can contact our Nutricia North America Medical Team via email at NutritionServices@Nutricia.com or by calling **1-800-365-7354**, Monday-Friday 8:30 a.m. to 5:00 p.m. ET.

Sincerely,

Your Nutricia North America Team

COMPARISON CHART

	Current Monogen per 100 g	Updated Monogen per 100 g	Current Monogen per 100 kcal	Updated Monogen per 100 kcal
Calories	444	441	100	100
Protein Equivalent, g	12.9	12.8	2.9	2.9
Fat, g	12.9	12.9	2.9	2.9
MCT, g	10.8	10.9	2.4	2.5
LCT, g	2.1	2.0	0.47	0.45
Linoleic acid, g	0.90	0.87	0.20	0.20
α -Linolenic acid, g	0.17	0.18	0.04	0.04
ARA, mg	60.0	60.0	13.5	14.1
DHA, mg	60.0	60.0	13.5	14.1
MCT/LCT %FA	84%/16%	84%/16%	84%/16%	84%/16%
Carbohydrate, g	69.1	68.6	15.6	15.6
VITAMINS				
Vitamin A, IU (mcg R.E.)	974 (293)	1158 (348)	219 (66.0)	263 (79.1)
Vitamin D ₃ , IU (mcg)	428 (10.7)	428 (10.7)	96.4 (2.4)	97.2 (2.4)
Vitamin E, IU (mg α T.E.)	6.6 (4.4)	6.6 (4.4)	1.5 (1.0)	1.5 (1.0)
Vitamin K, mcg	16.1	16.1	3.6	3.7
Thiamin, mg	0.41	0.32	0.09	0.07
Riboflavin, mg	0.44	0.47	0.10	0.11
Vitamin B ₆ , mg	0.40	0.40	0.09	0.09
Vitamin B ₁₂ , mcg	0.60	0.57	0.14	0.13
Niacin, mg	2.7	2.7	0.61	0.61
Folic Acid, mcg	61.0	63.2	13.7	14.4
Pantothenic Acid, mg	2.0	2.0	0.45	0.45
Biotin, mcg	12.8	14.0	2.9	3.2
Vitamin C, mg	54.1	53.9	12.2	12.2
Choline, mg	90.9	90.9	20.5	20.6
Inositol, mg	79.8	78.7	18.0	17.9
MINERALS				
Calcium, mg	321	329	72.3	74.7
Phosphorus, mg	193	198	43.5	44.9
Magnesium, mg	39.6	39.6	8.9	9.0
Iron, mg	6.0	6.0	1.4	1.4
Zinc, mg	4.1	4.1	0.92	0.93
Manganese, mg	0.32	0.028	0.07	0.006
Copper, mcg	324	323	73.0	73.2
Iodine, mcg	72.3	79.6	16.3	18.1
Molybdenum, mcg	18.8	21.6	4.2	4.9
Chromium, mcg	9.5	8.9	2.1	2.0
Selenium, mcg	10.4	15.6	2.3	3.6
Sodium, mg	192	189	43.2	42.9
Potassium, mg	372	357	83.8	81.2
Chloride, mg	284	271	64.0	61.6