



express[®]



DESCRIPTION

Powdered Leucine-, Isoleucine-, and Valine-free Medical Food

A blend of essential and non-essential amino acids, carbohydrate, vitamins and minerals.

USE UNDER MEDICAL SUPERVISION

INDICATIONS

For use in the dietary management of Maple Syrup Urine Disease (MSUD) from 3 years of age.

DOSAGE AND ADMINISTRATION

To be determined by the clinician or dietitian and is dependent on the age, body weight, and medical condition of the patient.

Each 25 g packet of MSUD express15 provides 15 g of protein equivalent.

Each 34 g packet of MSUD express20 provides 20 g of protein equivalent.

PREPARATION GUIDELINES

Step 1: Empty the contents of the packet into a cup with lid.

Step 2: Add 80 ml (approx. 3 fl oz) of cold water or other permitted beverages. Secure the lid and shake well until powder dissolves.

Step 3: For best results the product should be freshly prepared and used immediately.

IMPORTANT: Water or permitted drinks should be taken after product consumption.

STORAGE

Store in a cool dry place. Packets are designed for single use. The product should be freshly prepared and consumed immediately.

However, if this is not possible, any prepared product must be tightly covered and consumed within 6 hours at room temperature or within 24 hours if refrigerated. Re-shake before use.

PACK SIZE

MSUD express15: 30 x 25 g (0.88 oz) packets

MSUD express20: 30 x 34 g (1.2 oz) packets

NET WT.

MSUD express15: 750 g (26.4 oz) (1.65 lb)

MSUD express20: 1.02 kg (35.9 oz) (2.24 lb)

Available in Unflavored.

IMPORTANT NOTICE

Must only be consumed by people with proven Maple Syrup Urine Disease (MSUD) under strict medical supervision.

Diet must be supplemented with natural protein, water, and other nutrients in prescribed quantities to supply leucine, isoleucine, valine, fluid, and general nutrition requirements.

Not for intravenous use.

For enteral use only.

Not for use as a sole source of nutrition.

MSUD express Nutrition Information

		express15	express20	
	Units	per 100 g	per 25 g (1 packet express15)	per 34 g (1 packet express20)
Calories	kcal	297	74	101
Protein Equivalent	g	60	15	20
Total Carbohydrate	g	13.7	3.4	4.7
Sugars	g	1.0	0.2	0.3
Total Fat	g	0.2	0.05	0.07
Saturated Fat	g	0	0	0
VITAMINS				
Vitamin A	µg RE	740	185	252
Vitamin D	µg	11.7	2.9	4.0
Vitamin E	mg α TE	14	3.5	4.7
Vitamin C	mg	96	24	33
Vitamin K	µg	89	22	30
Thiamin	mg	1.8	0.45	0.61
Riboflavin	mg	2.0	0.50	0.68
Niacin	mg	22	5.5	7.5
Vitamin B6	mg	2.5	0.63	0.85
Folic acid	µg	360	90	122
Vitamin B12	µg	4.3	1.1	1.5
Biotin	µg	170	43	58
Pantothenic acid	mg	7.1	1.8	2.4
Choline	mg	530	133	180
MINERALS				
Sodium	mg	510	128	173
Potassium	mg	840	210	286
Chloride	mg	650	163	221
Calcium	mg	1090	273	371
Phosphorus	mg	990	248	337
Magnesium	mg	330	83	112
Iron	mg	19	4.8	6.5
Copper	mg	2.0	0.50	0.68
Zinc	mg	19	4.8	6.5
Manganese	mg	2.8	0.70	0.95
Iodine	µg	220	55	75
Molybdenum	µg	130	33	44
Selenium	µg	78	20	27
Chromium	µg	78	20	27
AMINO ACIDS				
L-Alanine	g	7.23	1.81	2.46
L-Arginine	g	6.85	1.71	2.33
L-Aspartic acid	g	8.68	2.17	2.95
L-Cystine	g	2.05	0.51	0.70
L-Glutamine	g	7.80	1.95	2.65
Glycine	g	5.75	1.44	1.96
L-Histidine	g	2.46	0.62	0.84
L-Isoleucine*	g	0	0	0
L-Leucine*	g	0	0	0
L-Lysine	g	5.16	1.29	1.75
L-Methionine	g	1.48	0.37	0.50
L-Phenylalanine	g	3.86	0.97	1.31
L-Proline	g	6.09	1.52	2.07
L-Serine	g	4.12	1.03	1.40
L-Threonine	g	3.70	0.93	1.26
L-Tryptophan	g	2.05	0.51	0.70
L-Tyrosine	g	4.10	1.03	1.39
L-Valine*	g	0	0	0
L-Carnitine	mg	64	16	22
Taurine	mg	132	33	45

*No added leucine, isoleucine and valine.

Manufactured in Germany for: Vitaflo USA, LLC.

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UNFLAVORED

Ingredients: Dried Glucose Syrup, L-Lysine L-Aspartate, L-Arginine L-Aspartate, L-Glutamine, L-Alanine, L-Proline, Glycine, L-Serine, L-Tyrosine, L-Phenylalanine, L-Threonine, Calcium Phosphate, Magnesium Phosphate Dibasic, Modified Corn Starch, Potassium Citrate, L-Histidine, L-Cystine, L-Tryptophan, Choline Bitartrate, L-Arginine, L-Methionine, Salt, Maltodextrin, Xanthan Gum, Ascorbic Acid, Ferrous Gluconate, Soy Lecithin, Zinc Gluconate, Taurine, L-Carnitine L-Tartrate, DL-Alpha Tocopheryl Acetate, Manganese Gluconate, Niacinamide, Sodium Selenite, D-Biotin, Copper Gluconate, Chromium Chloride, Calcium Pantothenate, Retinyl Acetate, Vitamin D3, Vitamin B12, Folic Acid, Sodium Molybdate, Pyridoxine Hydrochloride, Potassium Iodide, Thiamine Hydrochloride, Riboflavin, Vitamin K.

Contains: Soy.

Osmolality

MSUD express15:

25 g (1 packet) + 80 ml (2.7 fl oz) water = 1896 mOsm/kg

MSUD express20:

34 g (1 packet) + 80 ml (2.7 fl oz) water = 2380 mOsm/kg



Innovation in Nutrition

A Nestlé Health Science Company