

MMA/PA gel™

ACBS GMS PBS

Description

Food for special medical purposes.

MMA/PA gel™ is an unflavoured powdered methionine, threonine and valine free, low isoleucine protein substitute containing essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements.

Indications

MMA/PA gel is for the dietary management of Methylmalonic Aciduria/Propionic Aciduria (MMA/PA) from 6 months to 10 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.

The product can be used individually or interchanged to meet individual protein requirements.

1. The daily protein substitute requirement is given as MMA/PA gel.
2. Additional protein is provided from exchanges of natural protein, to provide restricted amino acids in controlled amounts, which is essential for growth and development.
3. Foods high in carbohydrate and fat, but low in protein, should be provided to supply the remainder of the energy.

MMA/PA gel (24g) = 10g PE

Preparation Guidelines

MMA/PA gel can be either taken as a gel or as a low volume drink.

For gel:



Empty the contents of the sachet into a beaker.



Add approximately 30ml of cold water. Secure the lid and shake well for 10 seconds.



Leave to stand for 2 minutes, allowing a smooth gel to form. Consume with a spoon.

For a low volume drink:



Empty the contents of the sachet into a beaker.



Add approximately 80ml (half way up the beaker) of cold water. Secure the lid and shake well for 10 seconds.



Drink immediately.

Water or permitted drinks should be taken after MMA/PA gel.

IMPORTANT NOTICE

Must only be given to children with proven MMA/PA under strict medical supervision.

Suitable from 6 months to 10 years of age.

Diet must be supplemented with natural protein, water and other nutrients in prescribed quantities to supply lysine and tryptophan, fluid and general requirements.

Not for use as a sole source of nutrition.

For enteral use only.

Nutritional Information

		Per 100g	Per MMA/PA gel 24g sachet			Per 100g	Per MMA/PA gel 24g sachet
Energy	kJ	1440	346	Sodium	mg	379	91
		kcal	339			81	mmol
Fat	g	0.05	0.02	Chloride	mg	583	140
		of which saturates	g			0.0	0.0
Carbohydrate	g	42.9	10.3	Potassium	mg	938	225
		of which sugars	g			27.1	6.5
Protein equivalent	g	41.7	10	Calcium	mg	1083	260
L-Isoleucine	g	0.15	0.04			mmol	27.1
L-Methionine	g	0	0	Phosphorus	mg	825	198
L-Threonine	g	0	0			mmol	26.4
L-Valine	g	0	0	Magnesium	mg	167	40
Salt	g	0.95	0.23			mmol	6.8
Vitamins and minerals				Iron	mg	14	3.4
Vitamin A (RE)	µg	600	144	Zinc	mg	11	2.6
Vitamin D	µg	14.6	3.5	Copper	mg	0.80	0.19
Vitamin E (αTE)	mg	9.0	2.2	Iodine	µg	138	33.1
Vitamin K	µg	41	9.8	Selenium	µg	35	8.4
Vitamin C	mg	63	15	Manganese	mg	1.7	0.41
Thiamin	mg	1.0	0.24	Chromium	µg	71	17
Riboflavin	mg	1.2	0.29	Molybdenum	µg	50	12
Vitamin B6	mg	1.1	0.26	Others			
Niacin	mg (mg NE)	14 (32.5)	3.4 (7.9)	Choline	mg	279	67
Folic acid	µg	208	50				
Vitamin B12	µg	2.0	0.48				
Pantothenic Acid	mg	5.0	1.2				
Biotin	µg	25	6.0				

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Aino acids				L-Leucine	g	6.58	1.58
L-Alanine	g	4.15	1.00	L-Lysine	g	4.58	1.10
L-Arginine	g	4.30	1.03	L-Phenylalanine	g	2.78	0.67
L-Aspartic Acid	g	7.46	1.79	L-Proline	g	2.02	0.48
L-Cystine	g	1.77	0.42	L-Serine	g	2.93	0.70
L-Glutamine	g	5.06	1.21	L-Tryptophan	g	1.11	0.27
Glycine	g	1.95	0.47	L-Tyrosine	g	2.78	0.67
L-Histidine	g	2.78	0.67	L-Carnitine	mg	46	11
L-Isoleucine	g	0.15	0.04	Taurine	mg	92	22
				Osmolality:			
				24g + 30ml = 3000mOsm/kg			
				24g + 80ml = 1540mOsm/kg			

Pack Size/Weight

30 x 24g e sachets = 720g

Flavours

Unflavoured.

Storage

Store in a cool dry place.

Sachets are designed for single use and should be used immediately once opened.

Any unused powder in an open sachet should be kept in an airtight container or sealed with a clipper and used within 24 hours.

