



# cooler™

ACBS  GMS  PBS

## Description

### Food for special medical purposes.

MMA/PA cooler™ is a ready-to-drink, methionine, threonine and valine free and low isoleucine protein substitute, containing essential and non-essential amino acids, carbohydrate, vitamins, minerals, trace elements and the omega-3 long chain polyunsaturated fatty acids (LCPs); docosahexaenoic acid (DHA) and eicosapentaenoic (EPA). With sugar and sweeteners.

## Indications

MMA/PA cooler is for the dietary management of Methylmalonic Aciduria (MMA) and Propionic Acidaemia (PA) from 3 years onwards.

## 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.

MMA/PA cooler15 (130ml) = 15g PE

1. The daily protein substitute requirement is given as MMA/PA cooler15
2. Additional protein is provided from exchanges of natural protein, to provide methionine, threonine, valine and isoleucine in controlled amounts, which is essential for normal growth and development
3. Foods high in carbohydrate and fat, but low in protein, should be provided to supply the remainder of the energy

## Preparation Guidelines



Shake well



Open



Drink

Water or permitted drinks should be taken after MMA/PA cooler.  
Best serve chilled.

MMA/PA cooler is best served chilled.

**IMPORTANT NOTICE**

Must only be given to patients with proven MMA or PA under strict medical supervision.

Suitable from 3 years onwards

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

Not for use as a sole source of nutrition.

For enteral use only.

**Nutritional Information**

		Per 100ml	Per MMA/PA cooler <sup>15</sup> 130ml
Energy	kJ	336	437
	kcal	79	103
Fat	g	1.3	1.7
	of which saturates	g	0.25
Carbohydrate	g	5.4	7.0
	of which sugars	g	4.5
Protein equivalent	g	11.5	15
L-Isoleucine	g	0.04	0.05
L-Methionine	g	0	0
L-Threonine	g	0	0
L-Valine	g	0	0
Salt	g	0.24	0.32
<b>Vitamins, minerals &amp; trace elements</b>			
Vitamin A (RE)	µg	160	208
Vitamin D	µg	5.8	7.5
Vitamin E (αTE)	mg	3.0	3.9
Vitamin K	µg	19.2	25
Vitamin C	mg	20.8	27
Thiamin	mg	0.38	0.5
Riboflavin	mg	0.44	0.57
Vitamin B6	mg	0.54	0.7
Niacin	mg (mg NE)	4.8 (10.8)	6.2 (14)
Folic acid	µg	76.9	100
Vitamin B12	µg	0.92	1.2
Pantothenic Acid	mg	1.5	2.0
Biotin	µg	36.2	47

**Nutritional Information**

		Per 100ml	Per MMA/PA cooler15 130ml
Sodium	mg	97.7	127
	mmol	4.2	5.5
Chloride	mg	140	182
	mmol	3.9	5.1
Potassium	mg	181	235
	mmol	4.5	5.9
Calcium	mg	230	299
	mmol	5.8	7.5
Phosphorus	mg	205	267
	mmol	6.6	8.4
Magnesium	mg	72.3	94
	mmol	3.0	3.9
Iron	mg	4.2	5.4
Zinc	mg	4.2	5.4
Copper	mg	0.42	0.55
Iodine	µg	49	63
Selenium	µg	16.9	22
Manganese	mg	0.62	0.8
Chromium	µg	16.9	22
Molybdenum	µg	27.7	36
<b>Others</b>			
Choline	mg	115	150
DHA	mg	77	100
EPA	mg	18	23

**Nutritional Information**

		Per 100ml	Per MMA/PA cooler <sup>15</sup> 130ml
<b>Amino Acids</b>			
L-Alanine	g	1.29	1.68
L-Arginine	g	1.33	1.73
L-Aspartic Acid	g	2.31	3.00
L-Cystine	g	0.56	0.73
L-Glutamine	g	0.00	0.00
Glycine	g	0.61	0.79
L-Histidine	g	0.87	1.13
L-Isoleucine	g	0.04	0.05
L-Leucine	g	1.82	2.37
L-Lysine	g	1.42	1.85
L-Methionine	g	0.00	0.00
L-Phenylalanine	g	0.87	1.13
L-Proline	g	0.64	0.83
L-Serine	g	0.96	1.25
L-Threonine	g	0.00	0.00
L-Tryptophan	g	0.36	0.47
L-Tyrosine	g	0.87	1.13
L-Valine	g	0.00	0.00
L-Carnitine	mg	13	17
Taurine	mg	25	33

**Osmolality:**

1900 mOsm/kg

**Allergen Declaration**

Contains fish (tuna oil)  
 Contains soya (soya lecithin)  
 Contains milk (milk protein)

**Storage**

Store in a cool dry place.  
 Once opened drink immediately or recap,  
 refrigerate and use within 24 hours.

**Pack Size/Weight**


30 x 130ml e pouches = 3.9L

**Flavours**

Red

