Product Information
– for professionals only –

ZeroMet Infant Mix^{LCP}

In Short

- ZeroMet Infant Mix^{LCP} is a Food for Special Medical Purposes (FSMP) for use in the dietary management of Homocystinuria
- for infants, from birth onwards
- protein supplement free of Methionine (Met), supplemented with L-Cystine – in powder form
- with carbohydrate (mainly lactose) and fat
- like human breast milk enriched with LCP-fatty acids
- highly purified L-amino acids
- micronutrients in adequate amounts
- in 500 g tin

Product Profile

ZeroMet Infant Mix^{LCP} is a powdered mixture of highly purified L-amino acids free of Methionine (Met), supplemented with Cystine – especially for infants, from birth onwards.

ZeroMet Infant Mix^{LCP} contains carbohydrate and fat: Like breast milk ZeroMet Infant Mix^{LCP} contains lactose as main carbohydrate and is enriched with LCPUFA-lipids.

ZeroMet Infant Mix^{LCP} is enriched with vitamins, minerals and trace elements in adequate amounts.

Administration

The daily amount is determined individually and is given to the infant in combination with calculated amounts of breast milk and/or regular infant formula and/ or low protein weaning food (beikost).

Preparation and Feeding

When prepared with drinking water only, ZeroMet Infant Mix^{LCP} gives a Methionine (Met) free bottle feed or pap. For preparing a pap, ZeroMet Infant Mix^{LCP} is mixed with calculated amounts of starch, low protein biscuits and/or fruits.

ZeroMet Infant Mix^{LCP} must not be given without other protein containing foods (e.g. breast milk or regular infant formula) over a longer period of time. Medical supervision is indispensable in any case.

Advice for Dental Health Carbohydrates are indispensable for the nutrition of a child. Like breast milk ZeroMet Infant Mix^{LCP} contains carbohydrate. Incorrect use of the bottle (frequent or continuous sucking) however can result in tooth decay (caries) and related damages to tooth health. Thus a bottle feed should only last for the time required for the food intake. Please advise the parents accordingly.

Function ZeroMet Infant Mix^{LCP} substitutes that part of the protein in the diet which may not be taken up from natural food sources.

Indication ZeroMet Infant Mix^{LCP} is a food for special medical purposes and as protein supplement suitable for the dietary management of Homocystinuria.

Dosage The correct dosage of ZeroMet Infant Mix^{LCP} is determined by the physician and should be adjusted regularly in accordance with the results of periodical monitoring. The dosage depends on age, body weight, protein requirements and the infant's individual protein tolerance.

The daily dosage of ZeroMet Infant Mix^{LCP} and other food (e.g. breast milk, infant formula or beikost) is determined in a diet plan. The total daily amount of ZeroMet Infant Mix^{LCP} should be given as a bottle feed or a pap, divided into 3 – 5 single portions, evenly distributed during the day.

The diet must be supplemented with energy, natural protein and other nutrients in prescribed quantities.

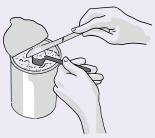
Preparation of a Bottle Feed


Clean and boil bottle and teat before use.

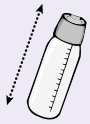

Boil water and leave to cool down to approx. 40 °C.
Pour water into the bottle.


Loosen the powder with the scoop.


Take powder loosely with the scoop.


Strip off powder with the back of a knife.


Determine the tara weight of the bottle. Carefully empty the scoop into the bottle. Weigh out and thus verify the amount of powder.


Put the lid safely on the bottle and shake.


Open bottle and fix the teat. Check drinking temperature (cheek test).

Always prepare bottle feed or pap freshly. Do not reuse any rest.

Important Notice Must only be used under medical supervision. Not for use as a sole source of nutrition. For enteral use only. Only for infants with proven Homocystinuria.

NUTRITION INFORMATION

ZeroMet Infant Mix[LCP]		100 g powder	100 ml ready-to-use feed (15% dilution)*
Energy	kJ	2131	320
	kcal	509	76
Fat	g	28	4
of which			
saturates	g	5	0,8
mono-unsaturates	g	11	1,6
polyunsaturates	g	12	1,7
DHA	mg	112	17
Carbohydrate	g	54	8
of which sugars	g	25	4
Lactose	g	24	3,5
Maltodextrin	g	22	3
Starch	g	8	1,2
Protein eqv.	g	11	1,7
Salt	g	0,6	0,1
Vitamins			
Vitamin A	µg	570	86
Vitamin D3	µg	7	1
Vitamin E	mg	5	0,7
Vitamin K1	µg	24	3,6
Vitamin C	mg	58	9
Thiamin (Vit. B1)	mg	0,5	0,07
Riboflavin (Vit. B2)	mg	0,5	0,08
Niacin	mg	6	0,9
Vitamin B6	mg	0,5	0,08
Folic acid	µg	51	8
Vitamin B12	µg	1,3	0,2
Biotin	µg	14	2
Pantothenic acid	mg	4	0,6
Minerals			
Sodium	mg	260	39
Potassium	mg	500	75
Chloride	mg	380	57
Calcium	mg	500	75
Phosphorus	mg	335	50
Magnesium	mg	52	8
Trace elements			
Iron	mg	6	1
Zinc	mg	5	0,8
Copper	mg	0,36	0,05
Manganese	mg	0,4	0,06
Fluoride	mg	0,13	0,02
Selenium	µg	13	2
Chromium	µg	26	4
Molybdenum	µg	26	4
Iodine	µg	46	7

FURTHER NUTRITION INFORMATION

		100 g powder	100 ml ready-to-use feed (15% dilution)*
L-Carnitine	mg	11	1,6
Choline	mg	77	12
myo-Inositol	mg	51	8
Taurine	mg	39	6
Amino acids	g	13	2
L-Alanine	g	0,5	0,08
L-Arginine	g	0,8	0,12
L-Aspartic acid	g	1,4	0,20
L-Cystine	g	0,45	0,07
L-Glutamic acid	g	2	0,27
Glycine	g	0,4	0,06
L-Histidine	g	0,6	0,09
L-Isoleucine	g	0,8	0,12
L-Leucine	g	1,3	0,20
L-Lysine	g	0,9	0,14
L-Methionine	g	–	–
L-Phenylalanine	g	0,6	0,09
L-Proline	g	1	0,17
L-Serine	g	0,7	0,11
L-Threonine	g	0,6	0,09
L-Tryptophan	g	0,3	0,05
L-Tyrosine	g	0,7	0,10
L-Valine	g	0,8	0,12

*Standard dilution

15 g ZeroMet Infant Mix[LCP] + 90 ml drinking water
= 100 ml ready-to-use formula

The scoop enclosed in the tin contains approx. 3,7 g ZeroMet Infant Mix[LCP] when levelled.

At best always weigh out the amount needed for the preparation of the bottle feed with ZeroMet Infant Mix[LCP].

Osmolality of standard solution

350 – 360 mosmol/kg

INGREDIENTS

Vegetable oils (rape seed oil, corn oil, palm oil, sunflower oil), ***lactose***, maltodextrine, modified starch, L-lysine-L-glutamate, calcium phosphate, L-arginine-L-aspartate, L-leucine, potassium-L-glutamate, L-proline, L-isoleucine, L-valine, L-serine, L-tyrosine, sodium chloride, magnesium L-aspartate, L-phenylalanine, L-threonine, L-histidine, L-alanine, L-cystine, glycine, L-tryptophan, emulsifiers: E 472c & ***soy lecithin***, L-aspartic acid, potassium carbonate, ***docosahexaenoic acid (DHA)-rich fishoil*** (contains ***milk products***), choline, inositol, vitamin C, taurine, ferrous sulphate, vanillin, zinc sulphate, L-carnitine, niacin, vitamin E, potassium citrate, pantothenic acid, manganese sulphate, cupric sulphate, vitamin A, vitamin B2, vitamin B6, vitamin B1, sodium fluoride, chromium (III) chloride, sodium molybdate, potassium iodide, folic acid, sodium selenite, vitamin K, biotin, vitamin D, vitamin B12.

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Fat

- ZeroMet Infant Mix[LCP] contains vegetable oils (rapeseed-, corn-, sunflower- and palm-oil)
- following the example of mother's milk ZeroMet Infant Mix[LCP] is enriched with long chain polyunsaturated fatty acids (LC-PUFAs)
- the LC-PUFA source is a docosahexaenoic acid (DHA)-rich fish oil

Fat composition

ZeroMet Infant Mix[LCP] contains per		100 ml ready-to-use	
total fat		4	g
of which	saturates	0,8	g
	mono-unsaturates	1,6	g
	polyunsaturates	1,7	g
ω-6 : ω-3 ratio = 4 : 1			
Linoleic acid : α-Linolenic acid ratio = 5 : 1			

Fatty acid profile				% per 100 kcal	% of total fat
Butyric acid	4 : 0	–		–	–
Caproic acid	6 : 0	–		–	–
Caprylic acid	8 : 0	–		–	–
Capric acid	10 : 0	–		–	–
Lauric acid	12 : 0	–		0,003	0,06
Myristic acid	14 : 0	0,01	g	0,014	0,25
Myristoleic acid	14 : 1	–		–	–
Palmitic acid	16 : 0	0,59	g	0,8	14
Palmitoleic acid	16 : 1	0,01	g	0,018	0,3
Stearic acid	18 : 0	0,11	g	0,14	2,6
Oleic acid	18 : 1	1,56	g	2	38
Linoleic acid	18 : 2 n-6	1,41	g	2	34
α-Linolenic acid	18 : 3 n-3	0,30	g	0,4	7
Arachidic acid	20 : 0	0,07	g	0,1	1,8
Arachidonic acid	20 : 4 n-6	–		–	–
Eicosapentaenoic acid	20 : 5 n-3	0,003	g	0,004	0,07
Behenic acid	22 : 0	0,02	g	0,03	0,5
Docosahexaenoic acid	22 : 6 n-3	0,02	g	0,026	0,5

Delivery Unit	tin 1 x 500 g = 500 g	tin 6 x 500 g = 3000 g
Article Number	xx-001-31200	xx-001-31206
Delivery to	Pharmacies, clinics	
Storage	Store in a cool, dry place.	

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