

Product Information

– for professionals only –



In Short

- ZeroVIL jump¹⁰ is a Food for Special Medical Purposes (FSMP) for use in the dietary management of disorders in metabolism of branched chain amino acids, e.g. Maple Syrup Urine Disease (MSUD)
- suitable from 3 years of age
- protein supplement free of Valine, Isoleucine and Leucine (VIL) – liquid, ready to drink
- small amount of carbohydrate – virtually no fat
- ready to drink – ready “to go”
- berry flavour
- highly purified L-amino acids and micronutrients plus the long chain polyunsaturated ω -3 fatty acid (LCPUFA) Docosahexaenoic acid (DHA)
- low volume, ready to drink pouches of 63 ml $\hat{=}$ 10 g protein equivalent

Product Profile

ZeroVIL jump¹⁰ is a liquid, ready to drink mixture of highly purified L-amino acids free of Valine, Isoleucine and Leucine (VIL). ZeroVIL jump¹⁰ is a protein supplement containing only a small amount of carbohydrate and virtually no fat (except DHA).

ZeroVIL jump¹⁰ is available in ready to drink, reclosable drink packs/pouches of 63 ml $\hat{=}$ 10 g protein equivalent.

ZeroVIL jump¹⁰ is low in volume. The easy way of application and the great taste can lead to an improvement of the compliance. ZeroVIL jump¹⁰ is available in flavour: berry.

ZeroVIL jump¹⁰ is supplemented with vitamins, minerals and trace elements. Suitable from 3 years of age.

Convenience product

ZeroVIL jump¹⁰ is a convenient option for the intake of the protein supplement, especially when on the go.

Docosahexaenoic acid (DHA)

DHA is a long chain polyunsaturated omega-3 (ω -3) fatty acid (LCPUFA), which plays an important role, e.g. in the development and function of the brain, the eye and cellular membranes. Furthermore it is an important precursor of several bioactive compounds in the human organism such as anti-inflammatory eicosanoids.

The best dietary source of DHA is seawater fish which, however, is usually not allowed in the low protein diet.

Clinical studies have demonstrated that patients which have to follow a low protein diet (e.g. MSUD patients) show decreased levels of LCPUFA – in particular DHA – in plasma and erythrocytes (Mazer 2010, Fekete 2010, Vilaseca 2011).

Therefore, for an optimal supply with DHA, ZeroVIL jump¹⁰ is fortified by 6 mg DHA per gram protein eqv. The DHA used here is derived from tuna oil.

Administration

ZeroVIL jump¹⁰ should at best always be taken along with pre-calculated amounts of other foods.

Intake

Shake drink pack well before use. ZeroVIL jump¹⁰ is best served chilled. After opening it should at best be consumed immediately. After drinking ZeroVIL jump¹⁰ a glass of water or other permitted drink should be taken.

Function ZeroVIL jump¹⁰ substitutes that part of the protein in the diet which may not be taken up from natural food sources.

Indication ZeroVIL jump¹⁰ is a food for special medical purposes and as protein supplement suitable for the dietary management of disorders in metabolism of branched chain amino acids, e.g. Maple Syrup Urine Disease (MSUD).

Amino acids

ZeroVIL jump ¹⁰		100 ml	63 ml
L-Alanine	g	1,7	1,1
L-Arginine	g	1,3	0,8
L-Aspartic acid	g	2,3	1,5
L-Cystine	g	0,7	0,5
L-Glutamic acid	g	0,5	0,3
Glycine	g	2,2	1,4
L-Histidine	g	0,7	0,5
L-Isoleucine	g	–	–
L-Leucine	g	–	–
L-Lysine	g	1,4	0,9
L-Methionine	g	0,5	0,3
L-Phenylalanine	g	1,0	0,6
L-Proline	g	2,2	1,4
L-Serine	g	1,5	1,0
L-Threonine	g	1,5	1,0
L-Tryptophan	g	0,4	0,3
L-Tyrosine	g	1,1	0,7
L-Valine	g	–	–

Dosage The daily total amount of amino acid mixture depends on age, body weight and individual medical condition/protein tolerance and should be re-examined and adjusted in accordance with the results of regular monitoring. The daily dosage of amino acid mixture should at best be divided into 3 – 5 single portions.

ZeroVIL jump¹⁰ can be combined with other products from the ZeroVIL-system. The diet must be supplemented with energy, natural protein and other nutrients in prescribed quantities.

Important Notice Must only be used under medical supervision. Not for use as a sole source of nutrition. For enteral use only. Only for people with proven disorders in metabolism of branched chain amino acids, e.g. Maple Syrup Urine Disease (MSUD). Suitable from 3 years of age.

References:

- Mazer LM et al. (2010), JIMD 33(2): 121-7
- Fekete K and Decsi T (2010), Nutrients 2 (9): 965-974
- Vilaseca MA et al. (2011), Nutr Hosp. 26(1): 128-136

NUTRITION INFORMATIONZeroVIL jump¹⁰

		100 ml	63 ml
Energy	kJ	453	285
	kcal	107	67
Fat	g	0,5	0,3
of which saturates	g	<0,1	<0,1
DHA	mg	96	60
EPA	mg	21	13
Carbohydrate	g	12	7
of which sugars	g	6	4
Fibre	g	0,11	0,07
Protein eqv.	g	16	10
Amino acids	g	19	12
Salt	g	0	0

g protein

6
1,3**Vitamins**

Vitamin A	µg	288	181	18
Vitamin D3	µg	6	4	0,4
Vitamin E	mg	6	3,6	0,36
Vitamin K1	µg	21	13	1,3
Vitamin C	mg	34	21	2
Thiamin (Vit. B1)	mg	0,6	0,35	0,035
Riboflavin (Vit. B2)	mg	0,6	0,4	0,04
Niacin	mg	13	8	0,8
Vitamin B6	mg	0,5	0,3	0,03
Folic acid	µg	64	40	4
Vitamin B12	µg	1	0,7	0,065
Biotin	µg	13	8	0,8
Pantothenic acid	mg	2	1,3	0,13

Minerals

Sodium	mg	3,6	2,3	0,22
Potassium	mg	6	4	0,4
Chloride	mg	0,02	0,014	0,0013
Calcium	mg	448	282	28
Phosphorus	mg	231	145	14
Magnesium	mg	86	54	5

Trace elements

Iron	mg	6	3,6	0,36
Zinc	mg	6	3,6	0,36
Copper	mg	0,6	0,4	0,04
Manganese	mg	1,8	1,1	0,11
Fluoride	mg	0,24	0,15	0,015
Selenium	µg	23	15	1,5
Chromium	µg	32	20	2
Molybdenum	µg	27	17	1,7
Iodine	µg	72	45	4,5

FURTHER NUTRITION INFORMATION

		100 ml	63 ml	g protein
L-Carnitine	mg	54	5	0,9
Choline	mg	540	45	9
myo-Inositol	mg	282	24	5
Taurine	mg	60	5	1

INGREDIENTS

Water, sweeteners: isomalt & sucralose, sugar, L-lysine-L-aspartate, L-arginine-L-aspartate, glycine, L-proline, L-alanine, L-threonine, L-serine, calcium phosphate, L-tyrosine, L-phenylalanine, L-histidine, N-acetyl-L-methionine, magnesium citrate, L-glutamic acid, L-cystine, L-tryptophan, fruit juice concentrate (black currant, blueberry, sour cherry), flavouring, acids: malic acid & citric acid, stabilizers: E 412 & E 415, **docosahexaenoic acid (DHA)-rich fish oil***, inositol, choline, preservatives: potassium sorbate & sodium benzoate, ferric diphosphate, taurine, vitamin C, zinc sulphate, L-carnitine, niacin, vitamin E, manganese sulphate, pantothenic acid, cupric sulphate, vitamin B6, vitamin B2, vitamin B1, sodium fluoride, vitamin A, chromium (III) chloride, folic acid, potassium iodide, biotin, sodium molybdate, sodium selenite, vitamin K, vitamin D, vitamin B12.

*contains **milk** constituents

Delivery Unit	30 x 63 ml = 1890 ml
Article Number Berry	xx-001-30670
Delivery to	Pharmacies, clinics
Storage	Store in a cool place. Protect from direct sunlight.