



Fresubin Diben

For glycaemic control

1.5 kcal/mL, high protein oral nutritional supplement for the dietary management of patients with or at risk of malnutrition, with impaired glucose metabolism such as impaired glucose tolerance, stress-induced hyperglycaemia, and diabetes mellitus



Modified carbohydrate profile with low glycaemic index for improved glycaemic control¹²

Balanced fat profile: high in monounsaturated fatty acids to improve glycaemic control³⁻⁵ and insulin sensitivity⁶⁻⁸, and fish oil for cardiovascular protection⁹⁻¹¹

Low in sodium and cholesterol in line with Diabetes guidelines^{12,13}

*Meets nutrient reference values required for complete nutrition¹⁴

Fresubin® Diben DRINK



Nutritional Information

Energy value kJ (kcal) 630 (150) 1260 (300) Fat (42% Energy) g 7.0 14.0 of which SFA [*] g 1.7 3.4
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of which SFA* g 1.7 3.4
of which medium chain triglycerides g 1.2 2.4
of which MUFA** g 3.8 7.6
of which PUFA ^{***} g 1.5 3.0
of which EPA* + DHA*** g 0.054 0.108
of which cholesterol mg $\leq 6 \leq 12$
Carbohydrate (35% Energy) g 13.1 26.2
of which starch g 5.3 10.6
of which sugars g 2.5 5.0
of which fructose g 1.9 3.8
of which lactose $g \leq 0.5 \leq 1.0$
Fibre (3% Energy) g 2.0 4.0
Protein (20% Energy) g 7.5 15
water mL 79 158
Osmolarity mosmol/L 350 350
Osmolality mosmol/kg H2O 440 440
Minerals and trace elements
Sodium mg 65 130
Potassium mg 130 260
Chloride mg 55 110
Calcium mg 150 300
Magnesium mg 15 30
Phosphorus mg 95 190
Ting 2.0 4.0
Connor mg 0.2 0.6
Manganese mg 0.4 0.8
Inding 0.4 0.0
Fluoride mg 0.2 0.4
Chromium ug 10 20
Molybdenum µg 15 30
Selenium µg 10 20
Vitamins and other nutrients ⁺
Vitamin A µg RE° 170 340
Vitamin D ₃ µg 2.0 4.0
Vitamin E mg α-TE°° 3.0 6.0
Vitamin K ₁ µg 16.7 33.4
Thiamine (Vitamin B ₁) mg 0.23 0.46
Riboflavin (Vitamin B ₂) mg 0.32 0.64
Niacin mg 1.5 3
Vitamin B ₆ mg 0.33 0.66
Vitamin B ₁₂ μg 0.6 1.2
Pantothenic acid mg 1.2 2.4
Biotin μ g 7.5 15.0
Folic acid $\mu g = 50 = 100$
Choline mg 26.7 53.4

° RE: retinol equivalents; ^{οο}α-TE: alpha-tocopherol equivalents;

*eicosapentaenoic acid **docosahexaenoic acid



General information

Food for special medical purposes:

Nutritionally complete, high-caloric (1.5 kcal / mL), high protein oral nutritional supplement, with fibre. High in monounsaturated fatty acids, modified carbohydrate profile with low glycaemic index (GI <37), low in sodium and cholesterol. For the dietary management of patients with or at risk of malnutrition in particular for patients with impaired glucose metabolism.

Dosage:

Must be determined by the healthcare professional according to patients' needs. Recommendation for supplementary nutrition 2 - 3 bottles (600 - 900 kcal)/day, for complete nutrition 5 bottles (1500 kcal)/day.

Important notice:

To be used under medical supervision. Suitable as sole source of nutrition. Not suitable for children <3 years. Use with caution in children <6 years. Not suitable for patients with galactosaemia. Ensure adequate fluid intake. Not for <u>parenteral</u> (IV.) use!

Instructions for use:

Best served chilled. Shake well before use. Store at room temperature. Opened bottles may be stored in a refrigerator for up to 24 hours.

Additional considerations:

Not suitable where enteral nutrition is not permitted such as in acute gastrointestinal bleeding, gut atonia, ileus and others. Not suitable for patients with severe form of malassimilation, or those with congenital inability to metabolise nutrients contained in Diben DRINK.

Ingredients

Fresubin Diben DRINK Vanilla: Water, milk protein, modified starch, maltodextrin, vegetable oils (rapeseed oil, sunflower oil), fructose, medium chain triglycerides (MCT), potassium citrate, fish oil, flavourings emulsifiers (E 471, soya lecithins), sodium chloride, choline hydrogen tartrate, acidity regulator (E 524), vit. C, sweeteners (sodium cyclamate, saccharin sodium), magnesium oxide, iron pyrophosphate, zinc sulphate, vit. E, niacin, pantothenic acid, manganese chloride, copper sulphate, vit. B₂, vit. B₆, sodium fluoride, B⁻carotene, vit. A, folic acid, chromium chloride, potassium iodide, sodium molybdate, sodium selenite, vit. Ni, biotin, vit. D₃, vit. B₁₂.

Allergen Information: Contains milk and soy. Low lactose and gluten free.

Halal & Kosher certified.

Flavour

Vanilla

References

1. Thomas DE et al. The use of low-glycaemic index diets in diabetes control. Br J Nutr. 2010;104(6):797-802. 2. Barazzoni R et al. Carbohydrates and insulin resistance in clinical nutrition: Recommendations from the ESPEN expert group. Clin. Nutr. 2017;36(2): 355-363. 3. Pohl M, Mayr P, Mertl-Roetzer M, et al. Grycemic control in patients with type 2 diabetes mellitus with a disease-specific enteral formula: stage II of a randomized, controlled multicentre trial. JPEN. 2009;33(1):37-49. 4. Lochs H et al. Introductory to the ESPEN expert group. Clin. Nutr. 2006;25(2):180-186. 5. Olan F et al. Metabolic effects of monounsaturated fatty acid-enriched diets compared with carbohydrate or polyunsaturated fatty acid-enriched diets in patients with type 2 diabetes: a systematic review and meta-analysis of randomized controlled trials. Diabetes Care. 2016;39(8):1448-1457. 6. J A et al. Monosaturated fat-rich diet prevents central body fat distribution and decreases postprandial adiponectin expression induced by a carbohydrate-rich diet in insulin-resistant subjects. Diabetes Care. 2007;30(7):1717-1723. 7. Brehm BJ et al. One-year comparison of a high-monounsaturated fat diet with a high-carbohydrate diet hy type 2 diabetes. Diabetes Care. 2009;32(2):215-220. 8. Gadgil MD et al. The Effects of Carbohydrate, Unsaturated Fat, and Protein Intake on Measures of Insulin Sensitivity. Diabetes Care. 2013;36(5):1132-1137. 9. Kriss Etherton PM et al. Dietary reference intakes for DHA and EPA. Prostagiandins, Leukotrienes and Essential Fatty Acids. 2009;8(12-3):99-104. 10. International Society for the Study of Fatty Acids in Healthy Adults. Report June 2004. 11. Lee JH et al. Numega-3 fatty acids for cardioprotection. Mayo Clin Proc. 2008;83(3):324-332. 12. Evert AB et al. Nutrition Therapy Recommendations for Dietes (ESS), et al. ESSC quidelines on Cardiovascular diseases of the European Society of Cardiology (ESC), European Association for the Study of Diabetes (ESD), et al. ESC quidelines on Cardiology (ESC), European Asso



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