PATENTED 366714

NeoLact MMF® PLUS

(Mother's Milk Factor)

0.5g + 12.5ml HM | 1g + 25ml HM

World's only lyophilised human milk-derived fortifier to help initiation of early fortification in premature infants.

Component	Unit	NeoLact MMF PLUS per 1g	Preterm milk per 100ml*	Preterm human milk 100ml + 4g NeoLact MMF PLUS
Macronutrients				
Energy	kcal	3.89	67	82.56
Protein	g	0.27	1.62	2.71
Total Carbohydrates	g	0.62	7.3	9.77
Total Sugar	g	0.55	0	2.21
Added Sugar	g	<0.001	0	<0.004
Total Fat	g	0.04	3.5	3.65
Vitamins				
Vitamin A (Retinol)	µg	<0.3	14.4	15.60
Vitamin B1 (Thiamine)	mg	<0.001	0.01	0.01
Vitamin B12 (Cyanocobalamin)	µg	<0.01	0.02	0.06
Vitamin B2 (Riboflavin)	mg	0.002	0.03	0.04
Vitamin B3 (Niacin)	mg	0.05	0.21	0.39
Vitamin B5 (Pantothenic Acid)	mg	0.03	0.23	0.36
Vitamin B7 (Biotin)	µg	1.84	0.54	7.88
Vitamin B9 (Folic Acid)	µg	0.12	3.1	3.57
Vitamin C (Ascorbic Acid)	mg	<0.001	4.4	4.40
Vitamin D (Calciferol)	µg	<0.1	0.20	0.60
Vitamin E (Tocopherol)	mg	<0.001	0.26	0.26
Vitamin K (Phylloquinone)	µg	<0.1	2.00	2.40
Minerals				
Iron (Fe)	mg	0.09	0.09	0.43
Calcium (Ca)	mg	5.99	25	48.94
Phosphorus (P)	mg	1.36	14.50	19.96
Sodium (Na)	mg	2.22	28	36.87
Potassium (K)	mg	7.13	50	78.52
Chloride (as Cl)	mg	5.54	0.06	22.24
Magnesium (Mg)	mg	0.64	3.30	5.84
Chromium (Cr)	µg	0.11	NS	0.44
Molybdenum (Mo)	µg	0.05	NS	0.20
Selenium (Se)	µg	0.33	2.4	3.72
Copper (Cu)	µg	5.28	38	59.12
Manganese (Mn)	µg	0.29	0.36	1.52
Iodine (I)	µg	4.74	17.8	36.76
Zinc (Zn)	mg	0.05	0.37	0.57

Nutrient values are provided for general reference. Nutrient contributions from NeoLact MMF PLUS are based on single batch analysis and there may be slight variations due to inherent dynamic nature of human milk. Due to rounding, numbers presented throughout this document may not add up precisely to the totals provided.

HM - Human Milk ; NS - Non Significant

*Tsang R, Uauy R, Koletzko B, Zlotkin S (eds). Nutrition of the Preterm Infant.Scientific Basis and Practical Guidelines. Second edition.Digital Educational Publishing, 2005.

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Osmolality till 24 hours when stored at 2-8°C					
Product	**Mixing Proportion**	**0 Hours**	**4 Hours**	**8 Hours**	**24 Hours**
MMF PLUS +EBM	0.5 g MMF PLUS in 12.5 ml of Expressed Breast Milk (EBM)	424	425	425	427
MMF PLUS + PHBM70	0.5 g MMF PLUS in 12.5 ml of PHBM70	410	411	412	413
MMF PLUS + Neolact 70	0.5 g MMF PLUS in 12.5 ml of reconstituted Neolact 70	482	487	487	489
Expressed Breast Milk (EBM)	Not Applicable	297	298	298	298

* Typical analysis

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[1]Tsang R, Uauy R, Koletzko B, Zlotkin S (eds). Nutrition of the Preterm Infant.Scientific Basis and Practical Guidelines. Second edition.Digital Educational Publishing, 2005.

Tang Q, Yin D, Jin Z, Zhang L and Zhou P (2025) Osmolality of donor human milk rises dramatically within minutes of fortification with varied degrees depending on the fortifier used.