PATENTED 387209

NeoLact MMF®

(Mother's Milk Factor)

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

Component	Unit	NeoLact MMF per 1g	Preterm milk per 100ml*	Preterm human milk 100ml + 4g NeoLact MMF
Macronutrients				
Energy	kcal	3.84	67	82.35
Protein	g	0.12	1.62	2.10
Total Carbohydrates	g	0.81	7.3	10.54
Total Sugar	g	0.75	0	2.99
Added Sugar	g	<0.001	0	<0.004
Total Fat	g	0.01	3.5	3.55
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	0.00	0.03	0.04
Vitamin B3 (Niacin)	mg	0.05	0.21	0.39
Vitamin B5 (Pantothenic Acid)	mg	0.02	0.23	0.29
Vitamin B7 (Biotin)	µg	0.48	0.54	2.48
Vitamin B9 (Folic Acid)	µg	0.02	3.1	3.18
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	0.03	0.09	0.22
Calcium (Ca)	mg	2.83	25	36.30
Phosphorus (P)	mg	2.17	14.50	23.17
Sodium (Na)	mg	1.57	28	34.30
Potassium (K)	mg	3.89	50	65.54
Chloride (as Cl)	mg	3.94	0.06	15.81
Magnesium (Mg)	mg	0.62	3.30	5.77
Chromium (Cr)	µg	<0.05	NS	<0.2
Molybdenum (Mo)	µg	<0.05	NS	<0.2
Selenium (Se)	µg	0.13	2.4	2.92
Copper (Cu)	µg	2.26	38	47.02
Manganese (Mn)	µg	0.15	0.36	0.97
Iodine (I)	µg	6.09	17.8	42.17
Zinc (Zn)	mg	0.08	0.37	0.68

Nutrient values are provided for general reference. Nutrient contributions from NeoLact MMF 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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0.5g + 12.5ml HM **1g + 25ml HM**

Osmolality till 24 hours when stored at 2-8°C					
Product	**Mixing Proportion**	**0 Hours**	**4 Hours**	**8 Hours**	**24 Hours**
MMF + EBM	0.5 g MMF in 12.5 ml of Expressed Breast Milk (EBM)	435	439	439	441
MMF + PHBM70	0.5 g MMF in 12.5 ml of PHBM70	422	423	425	427
MMF + Neolact 70	0.5 g MMF in 12.5 ml of reconstituted Neolact 70	484	487	488	494
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.