

Surgifort® Human Milk Fortifier (Human, Pasteurized)



Nutrition Information

To support clinical decision-making for an Exclusive Human Milk Diet (EHMD),* detailed nutrient information for Surgifort fortifier is provided.

When Surgifort fortifier is mixed with term human milk, and given at an appropriate volume, you can achieve nutrition that is within the recommendations established by the National Academy of Medicine.¹ The product contains protein, fat, and carbohydrate derived from pasteurized donor human milk, with essential minerals added.[†] Surgifort fortifier provides the appropriate amount of calories and protein required for the dietary management of term infants requiring additional nutritional support following corrective surgery for Gastroschisis.



Although we can provide the nutrition values for our product, no single source establishes universal nutrition values for human milk. Thus, to help you prepare feedings with Surgifort fortifier, we provide term milk values adapted from the American Academy of Pediatrics.²

We do not add vitamins, iron, manganese, iodine, or selenium to any of our products. Vitamins in human milk vary naturally, and the amounts present in Prolacta's products are further impacted by manufacturing processes. The amounts of fat, protein, carbohydrate, and minerals in Surgifort fortifier are for reference only and based on average values derived from clinical lots.[‡] Any additional vitamins and iron must be administered separately from Surgifort fortifier.

Regular nutrition monitoring is required, and appropriate medical judgment should always be exercised when using feeding guidelines. For more information, please contact your Prolacta representative.

This product is not sold or distributed in all countries. Product image shown is for illustration purposes only.

For complete information, call 1.888.776.5228 or visit [Surgifort.com](https://www.surgifort.com).

*An Exclusive Human Milk Diet is achieved when 100% of protein, fat, and carbohydrate are derived from human milk. This diet includes a human milk-based human milk fortifier.

†Sodium, potassium, chloride, calcium, phosphorus, magnesium, copper, and zinc.

‡Nutrition values are based on average values derived from clinical lots based on available data on file.

¹ National Institutes of Health. Nutrient recommendations: dietary reference intakes (DRI). Accessed October 15, 2021. https://ods.od.nih.gov/HealthInformation/Dietary_Reference_Intakes.aspx

² American Academy of Pediatrics Committee on Nutrition. Appendix A. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 8th ed. Itasca, IL: American Academy of Pediatrics; 2019:1505-1508

Surgifort® Fortifier Nutrition Information

When Mixed With **Term** Human Milk

26 kcal/fl ounce; 30:70 (Surgifort:HM) Mixing Ratio

The nutrient values below are provided for general reference only. They are based on average values derived from clinical lots* and the published reference regarding term human milk.¹ Typically, mother's own milk or donor human milk provides 65 to 70 kcal/100 mL.¹

NUTRIENTS	Unit	Term Human Milk	Term Human Milk	Surgifort Fortifier	Term Human Milk Fortified With Surgifort Fortifier	
		per 100 mL	per 70 mL	per 30 mL	per 100 mL	per 100 kcal
Volume	mL	100.0	70.0	30.0	100.0	113.2
Calories	kcal	67.5	47.3	41.0	88.3	100.0
Protein	g	0.9	0.6	1.2	1.8	2.0
Fat	g	3.5	2.5	2.9	5.4	6.1
Carbohydrate	g	8.2	5.7	2.4	8.1	9.2
Vitamins						
Vitamin A, Retinol	µg	45.0	31.5	27.2	58.7	66.4
Vitamin A, Retinol	IU	149.9	104.9	90.7	195.6	221.4
Vitamin D	µg	0.0	0.0	**	0.0	0.0
Vitamin D	IU	0.0	0.0	**	0.0	0.0
Vitamin E	mg	0.6	0.4	0.2	0.6	0.7
Vitamin E	IU	0.9	0.6	0.2	0.8	0.9
Vitamin K	µg	0.3	0.2	**	0.2	0.2
Vitamin C	mg	10.0	7.0	**	7.0	7.9
Vitamin B1, Thiamine	µg	20.0	14.0	2.0	16.0	18.1
Vitamin B2, Riboflavin	µg	50.0	35.0	5.3	40.3	45.6
Vitamin B3, Niacin	mg	0.4	0.3	**	0.3	0.3
Vitamin B5, Pantothenic Acid	mg	0.2	0.1	0.1	0.2	0.2
Vitamin B6, Pyridoxine	µg	20.0	14.0	**	14.0	15.8
Vitamin B7, Biotin	µg	0.7	0.5	**	0.5	0.6
Vitamin B9, Folate	µg	11.0	7.7	2.6	10.3	11.7
Vitamin B12, Cobalamin	µg	0.1	0.1	**	0.1	0.1
Minerals						
Sodium	mg	18.5	13.0	9.4	22.4	25.4
Potassium	mg	47.5	33.3	35.3	68.6	77.7
Chloride	mg	42.5	29.8	23.5	53.3	60.3
Calcium	mg	22.5	15.8	29.1	44.9	50.8
Phosphorus	mg	13.0	9.1	13.7	22.8	25.8
Magnesium	mg	3.3	2.3	2.8	5.1	5.8
Iron	mg	0.1	0.1	**	0.1	0.1
Zinc	mg	0.2	0.1	0.3	0.4	0.5
Copper	µg	30.0	21.0	31.1	52.1	59.0
Iodine	µg	15.0	10.5	6.7	17.2	19.5
Selenium	µg	2.0	1.4	1.9	3.3	3.7
Manganese	µg	0.3	0.2	**	0.2	0.2
OSMOLALITY		Surgifort fortifier mixed with donor human milk†: 313 mOsm/kg				

*Nutrition values are based on average values derived from clinical lots based on available data on file.

**Not a significant source of this nutrient.

†Prolact HM® human milk (human, pasteurized)

¹ American Academy of Pediatrics Committee on Nutrition. Appendix A. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 8th ed. Itasca, IL: American Academy of Pediatrics; 2019:1505-1508.

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Surgifort® Fortifier Nutrition Information

When Mixed With **Term** Human Milk

28 kcal/fl ounce; 40:60 (Surgifort:HM) Mixing Ratio

The nutrient values below are provided for general reference only. They are based on average values derived from clinical lots* and the published reference regarding term human milk.¹ Typically, mother’s own milk or donor human milk provides 65 to 70 kcal/100 mL.¹

NUTRIENTS	Unit	Term Human Milk	Term Human Milk	Surgifort	Term Human Milk Fortified	
		per 100 mL	per 60 mL	Fortifier per 40 mL	With Surgifort Fortifier per 100 mL	per 100 kcal
Volume	mL	100.0	60.0	40.0	100.0	105.0
Calories	kcal	67.5	40.5	54.7	95.2	100.0
Protein	g	0.9	0.5	1.6	2.1	2.2
Fat	g	3.5	2.1	3.9	6.0	6.3
Carbohydrate	g	8.2	4.9	3.2	8.1	8.5
Vitamins						
Vitamin A, Retinol	µg	45.0	27.0	36.3	63.3	66.5
Vitamin A, Retinol	IU	149.9	89.9	121.0	210.9	221.4
Vitamin D	µg	0.0	0.0	**	0.0	0.0
Vitamin D	IU	0.0	0.0	**	0.0	0.0
Vitamin E	mg	0.6	0.4	0.2	0.6	0.6
Vitamin E	IU	0.9	0.5	0.3	0.8	0.8
Vitamin K	µg	0.3	0.2	**	0.2	0.2
Vitamin C	mg	10.0	6.0	**	6.0	6.3
Vitamin B1, Thiamine	µg	20.0	12.0	2.6	14.6	15.3
Vitamin B2, Riboflavin	µg	50.0	30.0	7.0	37.0	38.9
Vitamin B3, Niacin	mg	0.4	0.2	**	0.2	0.2
Vitamin B5, Pantothenic Acid	mg	0.2	0.1	0.1	0.2	0.2
Vitamin B6, Pyridoxine	µg	20.0	12.0	**	12.0	12.6
Vitamin B7, Biotin	µg	0.7	0.4	**	0.4	0.4
Vitamin B9, Folate	µg	11.0	6.6	3.4	10.0	10.5
Vitamin B12, Cobalamin	µg	0.1	0.1	**	0.1	0.1
Minerals						
Sodium	mg	18.5	11.1	12.6	23.7	24.9
Potassium	mg	47.5	28.5	47.0	75.5	79.3
Chloride	mg	42.5	25.5	31.3	56.8	59.6
Calcium	mg	22.5	13.5	38.8	52.3	54.9
Phosphorus	mg	13.0	7.8	18.3	26.1	27.4
Magnesium	mg	3.3	2.0	3.8	5.8	6.1
Iron	mg	0.1	0.1	**	0.1	0.1
Zinc	mg	0.2	0.1	0.4	0.5	0.5
Copper	µg	30.0	18.0	41.4	59.4	62.4
Iodine	µg	15.0	9.0	8.9	17.9	18.8
Selenium	µg	2.0	1.2	2.6	3.8	4.0
Manganese	µg	0.3	0.2	**	0.2	0.2
OSMOLALITY		Surgifort fortifier mixed with donor human milk†: 317 mOsm/kg				

*Nutrition values are based on average values derived from clinical lots based on available data on file.

**Not a significant source of this nutrient.

†Prolact HM® human milk (human, pasteurized)

¹ American Academy of Pediatrics Committee on Nutrition. Appendix A. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 8th ed. Itasca, IL: American Academy of Pediatrics; 2019:1505-1508.

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