

# Nutrition Information

**100% Human Milk-Based Neonatal  
Nutritional Products From Prolacta Bioscience**



## What is an exclusive human milk diet?

# (EHMD)

**An EHMD is achieved when 100% of protein, fat, and carbohydrates are derived from human milk. This diet includes a human milk-based human milk fortifier.**

An EHMD for very low birth weight babies supports adequate growth,<sup>1</sup> can contribute to increased survival rates,<sup>2</sup> and can decrease costly complications associated with the intake of cow milk-based products.<sup>3,4,\*</sup>

\* For babies weighing between 500 and 1250 g. Outcome measures were statistically based on mean weight data.

#### References:

1. Hair AB, Hawthorne KM, Chetta KE, Abrams SA. Human milk feeding supports adequate growth in infants  $\leq 1250$  grams birth weight. *BMC Res Notes*. 2013;6:459. 2. Abrams SA, Schanler RJ, Lee ML, Rechtman DJ. Greater mortality and morbidity in extremely preterm infants fed a diet containing cow milk protein products. *Breastfeed Med*. 2014;9(6):281-285. 3. Hair AB, Peluso AM, Hawthorne KM, et al. Beyond necrotizing enterocolitis prevention: improving outcomes with an exclusive human milk-based diet. *Breastfeed Med*. 2016;11(2):70-74. 4. Ganapathy V, Hay JW, Kim JH. Costs of necrotizing enterocolitis and cost-effectiveness of exclusively human milk-based products in feeding extremely premature infants. *Breastfeed Med*. 2012;7(1):29-37.

# All Neonatal Nutritional Products From Prolacta Bioscience Are 100% Human Milk-Based

Prolacta Bioscience is committed to helping healthcare providers meet the nutritional needs of extremely premature infants in the neonatal intensive care unit (NICU). In an effort to support clinical decision making for an exclusive human milk diet (EHMD), we are providing detailed information on the nutrients in our full line of 100% human milk-based neonatal nutritional products.

When mixed with mother's own milk (MOM) or donor human milk, Prolacta's human milk-based human milk fortifiers provide nutrition that falls within the recommendations established by the American Academy of Pediatrics (AAP).<sup>1</sup> The product contains protein, fat, and carbohydrate derived from pasteurized donated human milk, with essential minerals added.\*

Prolact HM<sup>®</sup> pasteurized human milk and PremieLact<sup>®</sup> pasteurized human milk for trophic feeds are standardized and can be used when MOM is unavailable. They contain protein, fat, and carbohydrate, with no minerals added.

Prolact CR<sup>®</sup> human milk-based human milk caloric fortifier is pasteurized human milk

cream that contains approximately 25% fat, with no minerals added.

Prolact RTF is a ready-to-feed human milk-based premature infant formula that is standardized to ensure predictable delivery of nutrients. The product contains protein, fat, and carbohydrate derived from pasteurized donated human milk, with essential minerals added.\*

Although we can provide the nutritional information for our products, we recognize that there is no single source of information that establishes nutritional values for human milk. Thus, to help with the preparation of a feeding solution with Prolacta's fortifiers, we have provided these nutritional references for preterm milk and term milk:

- Preterm milk values are adapted from *Nutritional Care of Preterm Infants: Scientific Basis and Practical Guidelines*.<sup>2</sup>
- Term milk values are adapted from the AAP handbook entitled *Pediatric Nutrition*.<sup>1</sup>

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 affected by manufacturing processes. The amounts of fat, protein, carbohydrate, and minerals (except for iodine and selenium) are based on median values derived from multiple lots, while the amounts of vitamins,<sup>†</sup> iodine, and selenium are based on values derived from an individual lot or a composite of multiple lots.

Given the recognized variability of human milk, exclusive human milk diets will require nutritional supplementation. No commercially available human milk fortifier or premature infant formula can be guaranteed to provide the full and necessary nutritional needs of every preterm infant. Any required additional vitamins and iron must be administered separately from Prolacta's products.

The values presented in this brochure are for reference only (nutrient content varies lot by lot). Regular nutrition monitoring is required, and appropriate medical judgment should always be exercised when using feeding guidelines. For more information about Prolacta's products and providing an exclusive human milk diet, please contact your Prolacta representative.



**Prolact+4 H<sup>2</sup>MF<sup>®</sup>**  
(10 mL)  
Human Milk-Based  
Human Milk Fortifier



**Prolact+4 H<sup>2</sup>MF<sup>®</sup>**  
(20 mL)  
Human Milk-Based  
Human Milk Fortifier



**Prolact+6 H<sup>2</sup>MF<sup>®</sup>**  
(15 mL)  
Human Milk-Based  
Human Milk Fortifier



**Prolact+6 H<sup>2</sup>MF<sup>®</sup>**  
(30 mL)  
Human Milk-Based  
Human Milk Fortifier



**Prolact+8 H<sup>2</sup>MF<sup>®</sup>**  
(40 mL)  
Human Milk-Based  
Human Milk Fortifier



**Prolact+10 H<sup>2</sup>MF<sup>®</sup>**  
(50 mL)  
Human Milk-Based  
Human Milk Fortifier



**Prolact HM<sup>®</sup>**  
(118 mL)  
Pasteurized Human Milk



**PremieLact<sup>®</sup>**  
(10 mL)  
Pasteurized Human Milk  
for Trophic Feeds



**Prolact CR<sup>®</sup>**  
(10 mL)  
Human Milk-Based  
Human Milk Caloric Fortifier



**Prolact RTF 24**  
(100 mL)  
Human Milk-Based  
Premature Infant Formula



**Prolact RTF 26**  
(100 mL)  
Human Milk-Based  
Premature Infant Formula



**Prolact RTF 28**  
(100 mL)  
Human Milk-Based  
Premature Infant Formula

\*Sodium, potassium, chloride, calcium, phosphorus, magnesium, copper, and zinc.

<sup>†</sup> Vitamin A, vitamin D, vitamin E, vitamin K, biotin, thiamine (vitamin B1), riboflavin (vitamin B2), vitamin B6, vitamin B12, niacin, folate, pantothenic acid, and vitamin C (ascorbic acid).

## References

1. American Academy of Pediatrics Committee on Nutrition. Appendix R. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 7th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2014:1431-1432.
2. Koletzko B, Poindexter B, Uauy R, eds. *Nutritional Care of Preterm Infants: Scientific Basis and Practical Guidelines*. *World Review of Nutrition and Dietetics*; vol 110. Basel: Karger; 2014:304-305.

# Prolact+4 (20 mL) Nutrition Information

## When Mixed With Preterm Human Milk



**Directions for Preparation and Use**  
 Store at 20 °C or colder until ready to use. Do not microwave. Once thawing process begins, administer within 48 hours. Mix full bottle with 80 mL of human milk. Clearly swirl bottle to mix. DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use.

**20 mL Prolact+4 H<sup>2</sup>MF**  
 Must be mixed with 80 mL human milk.

**Human Milk Fortifier (Human, Pasteurized)**  
 When mixed, adds 4 Calories per fl oz.

**Nutrients per 20 mL (1 bottle)**

Protein.....	1.2 g	Carbohydrate.....	2.0 g
Fat.....	1.9 g	Calories.....	29.4

**Minerals**

Calcium.....	106.0 mg	Manganese.....	8.2 mcg
Phosphorus.....	52.9 mg	Copper.....	63.2 mcg
Iron.....	6.1 mg	Sodium.....	36.2 mg
Zinc.....	0.6 mg	Potassium.....	50.1 mg
		Chloride.....	22.4 mg

**Caution**  
 Nutritionally incomplete. Infant will require additional vitamins and iron added separately from the product.

**Manufactured By**  
 ProLacta Bioscience, Inc.  
 City of Industry, CA 91746  
 www.prolacta.com  
 (1888) PROLACTA

**Ingredients**  
 Human milk, contains less than 2% of the following: calcium glycerophosphate, calcium gluconate, sodium citrate, magnesium phosphate, calcium chloride, potassium citrate, calcium carbonate, zinc sulfate, cupric sulfate.

**Product Code:** 03901-20  
**GTIN:** 00812597021425  
**LOT:** 0394XXXX  
**USE BY:** Month Day, Year  
**SERIAL:** X

**To be used under the supervision of a physician. Intended for premature/LBW infants fed human milk. When mixed, adds 4 Calories per fl oz.**

**+4**

20 mL (0.7 fl oz)

Patented, U.S. Pat Nos. 8,545,920; 7,943,315; 8,278,046

Prolact+4 fortifier is available in a lower-volume 10 mL solution. When mixed, the lower volume of fortifier is half the volume but provides the same amount of nutrients per 100mL of fortified milk.

The nutrient values below are provided for general reference only. They are based on median values derived from multiple lots or values derived from a composite of multiple lots for the fortifier and the published reference regarding preterm human milk.\* Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS*	Unit	Preterm Human Milk Alone <sup>1</sup>	+	Prolact+4	=	Preterm Human Milk Fortified With Prolact+4 Per 100 mL	Per 100 kcal
Source/ Mixing Ratio		n/a		n/a		4:1	4:1
Volume	mL	100		80		100	121
Calories	kcal	67.0		53.6		82.4	100.0
<b>Macronutrients</b>							
Protein	g	1.6		1.3		2.5	3.0
Carbohydrate	g	7.3		5.8		7.6	9.2
Fat	g	3.5		2.8		4.7	5.7
<b>Vitamins</b>							
Vitamin A	IU	48.0		38.4		38.4	76.8
Vitamin D	IU	8.0		6.4		1.8	8.2
Vitamin E	IU	0.4		0.3		0.1	0.4
Vitamin K	mcg	2.0		1.6		**	1.6
Biotin	mcg	0.5		0.4		**	0.4
Thiamine (Vitamin B <sub>1</sub> )	mcg	8.9		7.1		1.2	8.3
Riboflavin (Vitamin B <sub>2</sub> )	mcg	27.0		21.6		3.8	25.4
Vitamin B <sub>6</sub>	mcg	6.2		5.0		**	5.0
Vitamin B <sub>12</sub>	mcg	0.0		0.0		**	0.0
Niacin	mcg	210.0		168.0		16.0	184.0
Folate	mcg	3.1		2.5		2.5	5.0
Pantothenic Acid	mcg	230.0		184.0		34.0	218.0
Vitamin C (ascorbic acid)	mg	4.4		3.5		**	3.5
<b>Minerals</b>							
Sodium	mg	28.0		22.4		35.9	58.3
Potassium	mg	50.0		40.0		49.2	89.2
Chloride	mg	58.0		46.4		22.4	68.8
Calcium	mg	25.0		20.0		94.8	114.8
Phosphorus	mg	14.5		11.6		53.1	64.7
Magnesium	mg	3.3		2.6		5.9	8.5
Manganese	mcg	0.4		0.3		5.1	5.4
Copper	mcg	38.0		30.4		62.2	92.6
Zinc	mg	0.4		0.3		0.6	0.9
Iodine	mcg	17.8		14.2		5.0	19.2
Iron	mg	0.1		0.1		**	0.1
Selenium	mcg	2.4		1.9		2.1	4.0
<b>OSMOLALITY</b>		Prolact+4 H <sup>2</sup> MF fortifier mixed with Prolact HM human milk: 360 mOsm/kg					

\* Nutrient contributions from Prolacta's fortifier are based on median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium).

\*\* Not a significant source of this nutrient.

1. Koletzko B, Poindexter B, Uauy R, eds. Nutritional Care of Preterm Infants: Scientific Basis and Practical Guidelines. *World Review of Nutrition and Dietetics*; vol 110. Basel: Karger; 2014:304-305.

# Prolact+4 (20 mL) Nutrition Information

## When Mixed With Term Human Milk



**Directions for Preparation and Use**  
Store at 20°C or colder until ready to use. Do not microwave. Once feeding process begins, administer within 48 hours. Mix full bottle with 80 mL of human milk. Clearly swirl bottle to mix. DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use.

**20 mL Prolact+4 H<sup>2</sup>MF**  
Must be mixed with 80 mL human milk.

**Human Milk Fortifier (Human, Pasteurized)**  
When mixed, adds 4 Calories per fl. oz.

**Nutrients per 20 mL (1 bottle)**

Protein.....1.2 g	Carbohydrate.....2.0 g
Fat.....1.9 g	Calories.....29.4

**Minerals**

Calcium.....106.0 mg	Manganese.....8.2 mcg
Phosphorus.....52.9 mg	Copper.....63.2 mcg
Magnesium.....6.1 mg	Sodium.....36.2 mg
Iron.....0.1 mg	Potassium.....50.1 mg
Zinc.....0.6 mg	Chloride.....22.4 mg

**Caution**  
Nutritionally incomplete. Infant will require additional vitamins and iron added separately from the product.

**Manufactured By**  
ProLacta Bioscience, Inc.  
City of Industry, CA 91746  
www.prolacta.com  
1(888) PROLACTA

**Ingredients**  
Human milk, contains less than 2% of the following: calcium glycerophosphate, calcium gluconate, sodium citrate, magnesium phosphate, calcium chloride, potassium citrate, calcium carbonate, zinc sulfate, cupric sulfate.

**Product Code:** 03901-20  
**GTIN:** 00812597021425  
**LOT:** 0394XXXX  
**USE BY:** Month Day, Year  
**SERIAL:** X

To be used under the supervision of a physician. Intended for premature/LBW infants fed human milk. When mixed, adds 4 Calories per fl. oz.

**+4**

20 mL (0.7 fl. oz.)

Patented, U.S. Pat Nos. 8,545,920; 7,943,315; 8,278,046

Prolact+4 fortifier is available in a lower-volume 10 mL solution. When mixed, the lower volume of fortifier is half the volume but provides the same amount of nutrients per 100mL of fortified milk.

The nutrient values below are provided for general reference only. They are based on median values derived from multiple lots or values derived from a composite of multiple lots for the fortifier and the published reference regarding term human milk.\* Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS*	Unit	Term Human Milk Alone <sup>1</sup>	+	Prolact+4	=	Term Human Milk Fortified With Prolact+4 Per 100 mL	Per 100 kcal
Source/ Mixing Ratio		n/a		n/a		4:1	4:1
Volume	mL	100		80		100	120
Calories	kcal	68.0		54.4		83.2	100.0
<b>Macronutrients</b>							
Protein	g	0.9		0.7		1.2	2.3
Carbohydrate	g	8.0		6.4		1.8	9.9
Fat	g	3.5		2.8		1.9	5.6
<b>Vitamins</b>							
Vitamin A	IU	150.0		120.0		38.4	158.4
Vitamin D	IU	1.3		1.0		1.8	2.8
Vitamin E	IU	0.0		0.0		0.1	0.1
Vitamin K	mcg	0.3		0.2		**	0.2
Biotin	mcg	0.7		0.6		**	0.6
Thiamine (Vitamin B <sub>1</sub> )	mcg	20.0		16.0		1.2	17.2
Riboflavin (Vitamin B <sub>2</sub> )	mcg	50.0		40.0		3.8	43.8
Vitamin B <sub>6</sub>	mcg	20.0		16.0		**	16.0
Vitamin B <sub>12</sub>	mcg	0.1		0.1		**	0.1
Niacin	mcg	390.0		312.0		16.0	328.0
Folate	mcg	11.0		8.8		2.5	11.3
Pantothenic Acid	mcg	225.0		180.0		34.0	214.0
Vitamin C (ascorbic acid)	mg	10.0		8.0		**	8.0
<b>Minerals</b>							
Sodium	mg	19.0		15.2		35.9	61.4
Potassium	mg	48.0		38.4		49.2	105.3
Chloride	mg	43.0		34.4		22.4	68.3
Calcium	mg	23.0		18.4		94.8	113.2
Phosphorus	mg	13.0		10.4		53.1	63.5
Magnesium	mg	3.3		2.6		5.9	8.5
Manganese	mcg	0.3		0.2		5.1	5.3
Copper	mcg	30.0		24.0		62.2	86.2
Zinc	mg	0.2		0.2		0.6	0.8
Iodine	mcg	15.0		12.0		5.0	17.0
Iron	mg	0.1		0.1		**	0.1
Selenium	mcg	2.0		1.6		2.1	3.7
<b>OSMOLALITY</b> Prolact+4 H <sup>2</sup> MF fortifier mixed with Prolact HM human milk: 360 mOsm/kg							

\* Nutrient contributions from Prolacta's fortifier are based on median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium). Nutrient contributions from term human milk are average or representative values drawn from Reference 1.

\*\* Not a significant source of this nutrient.

1. American Academy of Pediatrics Committee on Nutrition. Appendix R. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 7th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2014:1431-1432.

# Prolact+6 (30 mL) Nutrition Information

## When Mixed With Preterm Human Milk



**Directions for Preparation and Use**  
 Store at 20°C or colder until ready to use. Do not microwave. Once feeding process begins, administer within 48 hours. Mix full bottle with 70 mL of human milk. Gently swirl bottle to mix. DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use.

**30 mL Prolact+6 H<sup>2</sup>MF**  
 Must be mixed with 70 mL human milk.

**Human Milk Fortifier (Human, Pasteurized)**  
 When mixed, adds 6 Calories per fl oz.

To be used under the supervision of a physician. Intended for premature/LBW infants fed human milk. When mixed, adds 6 Calories per fl oz.

**Nutrients per 30 mL (1 bottle)**

Protein	1.6 g	Carbohydrate	2.9 g
Fat	2.8 g	Calories	43.8

**Minerals**

Calcium	109.4 mg	Manganese	12.2 mcg
Phosphorus	57.2 mg	Copper	91.8 mcg
Magnesium	6.9 mg	Sodium	41.2 mg
Iron	0.1 mg	Potassium	59.1 mg
Zinc	0.7 mg	Chloride	30.6 mg

Patented, U.S. Pat Nos. 8,545,920; 7,943,315; 8,278,046

**Caution**  
 Nutritionally incomplete. Infant will require additional vitamins and iron added separately from the product.

**Manufactured By**  
 Prolecta Bioscience, Inc.  
 City of Industry, CA 91746  
 www.prolecta.com  
 11888 PROLACT

**Ingredients**  
 Human milk, contains less than 2% of the following: calcium glycerophosphate, calcium gluconate, sodium citrate, magnesium phosphate, calcium chloride, potassium citrate, calcium carbonate, zinc sulfate, cupric sulfate.

Product Code: 93901-30  
 GTIN: 00812597021830  
 LOT: C7963000X  
 USE BY: Month Day, Year  
 SERIAL: X

**+6**  
 30 mL (1.0 fl oz)

Prolact+6 fortifier is available in a lower-volume 15 mL solution. When mixed, the lower volume of fortifier is half the volume but provides the same amount of nutrients per 100mL of fortified milk.

The nutrient values below are provided for general reference only. They are based on median values derived from multiple lots or values derived from a composite of multiple lots for the fortifier and the published reference regarding preterm human milk.\* Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS*	Unit	Preterm Human Milk Alone <sup>1</sup>	+	Prolact+6	=	Preterm Human Milk Fortified With Prolact+6 Per 100 mL	Per 100 kcal
Source/ Mixing Ratio		n/a		n/a		7:3	7:3
Volume	mL	100		70		100	111
Calories	kcal	67.0		46.9		90.0	100
<b>Macronutrients</b>							
Protein	g	1.6		1.1		1.8	3.2
Carbohydrate	g	7.3		5.1		2.7	8.7
Fat	g	3.5		2.5		2.8	5.9
<b>Vitamins</b>							
Vitamin A	IU	48.0		33.6		46.2	79.8
Vitamin D	IU	8.0		5.6		2.5	8.1
Vitamin E	IU	0.4		0.3		0.2	0.5
Vitamin K	mcg	2.0		1.4		**	1.4
Biotin	mcg	0.5		0.4		**	0.4
Thiamine (Vitamin B <sub>1</sub> )	mcg	8.9		6.2		1.8	8.0
Riboflavin (Vitamin B <sub>2</sub> )	mcg	27.0		18.9		5.8	24.7
Vitamin B <sub>6</sub>	mcg	6.2		4.3		**	4.3
Vitamin B <sub>12</sub>	mcg	0.0		0.0		**	0.0
Niacin	mcg	210.0		147.0		24.0	171.0
Folate	mcg	3.1		2.2		3.9	6.1
Pantothenic Acid	mcg	230.0		161.0		51.0	212.0
Vitamin C (ascorbic acid)	mg	4.4		3.1		**	3.1
<b>Minerals</b>							
Sodium	mg	28.0		19.6		39.4	59.0
Potassium	mg	50.0		35.0		56.7	91.7
Chloride	mg	58.0		40.6		30.6	71.2
Calcium	mg	25.0		17.5		103.1	120.6
Phosphorus	mg	14.5		10.2		56.8	67.0
Magnesium	mg	3.3		2.3		6.6	8.9
Manganese	mcg	0.4		0.3		5.1	5.4
Copper	mcg	38.0		26.6		73.4	100.0
Zinc	mg	0.4		0.3		0.7	1.0
Iodine	mcg	17.8		12.5		7.0	19.5
Iron	mg	0.1		0.1		**	0.1
Selenium	mcg	2.4		1.7		2.8	4.5
<b>OSMOLALITY</b> Prolact+6 H <sup>2</sup> MF fortifier mixed with Prolact HM human milk: 360 mOsm/kg							

\* Nutrient contributions from Prolecta's fortifier are based on median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium).

\*\* Not a significant source of this nutrient.

1. Koletzko B, Poindexter B, Uauy R, eds. Nutritional Care of Preterm Infants: Scientific Basis and Practical Guidelines. *World Review of Nutrition and Dietsics*; vol 110. Basel: Karger; 2014:304-305.

# Prolact+6 (30 mL) Nutrition Information

## When Mixed With Term Human Milk



**Directions for Preparation and Use**  
 Store at 20°C or colder until ready to use. Do not microwave. Once feeding process begins, administer within 48 hours. Mix full bottle with 70 mL of human milk. Gently swirl bottle to mix; DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use.

**30 mL Prolact+6 H<sup>2</sup>MF**  
 Must be mixed with 70 mL human milk.

**Human Milk Fortifier (Human, Pasteurized)**  
 When mixed, adds 6 Calories per fl oz.

To be used under the supervision of a physician. Intended for premature/LBW infants fed human milk. When mixed, adds 6 Calories per fl oz.

**Nutrients per 30 mL (1 bottle)**

Protein.....1.6 g	Carbohydrate.....2.9 g
Fat.....2.8 g	Calories.....43.8

**Minerals**

Calcium.....109.4 mg	Manganese 12.2 mcg
Phosphorus...57.2 mg	Copper.....91.8 mcg
Magnesium....6.9 mg	Sodium.....41.2 mg
Iron.....0.1 mg	Potassium...59.1 mg
Zinc.....0.7 mg	Chloride....30.6 mg

Patented, U.S. Pat Nos. 8,545,920; 7,943,315; 8,278,046

**Caution**  
 Nutritionally incomplete. Infant will require additional vitamins and iron added separately from the product.

**Manufactured By**  
 ProLacta Bioscience, Inc.  
 City of Industry, CA 91746  
 www.proLacta.com  
 11888 PROLACTA

**Ingredients**  
 Human milk, contains less than 2% of the following: calcium glycerophosphate, calcium gluconate, sodium citrate, magnesium phosphate, calcium chloride, potassium citrate, calcium carbonate, zinc sulfate, cupric sulfate.

Product Code: 93901-30  
 GTIN: 00812597021830  
 LOT: C7963000X  
 USE BY: Month Day, Year  
 SERIAL: X

**+6**  
 30 mL (1.0 fl oz)

Prolact+6 fortifier is available in a lower-volume 15 mL solution. When mixed, the lower volume of fortifier is half the volume but provides the same amount of nutrients per 100mL of fortified milk.

The nutrient values below are provided for general reference only. They are based on median values derived from multiple lots or values derived from a composite of multiple lots for the fortifier and the published reference regarding term human milk.\* Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS*	Unit	Term Human Milk Alone <sup>1</sup>	+	Prolact+6	=	Term Human Milk Fortified With Prolact+6 Per 100 mL	Per 100 kcal
Source/ Mixing Ratio		n/a		n/a		7:3	7:3
Volume	mL	100		70		100	110
Calories	kcal	68.0		47.6		90.7	100
<b>Macronutrients</b>							
Protein	g	0.9		0.6		1.8	2.6
Carbohydrate	g	8.0		5.6		2.7	9.2
Fat	g	3.5		2.5		2.8	5.8
<b>Vitamins</b>							
Vitamin A	IU	150.0		105.0		46.2	151.2
Vitamin D	IU	1.3		0.9		2.5	3.4
Vitamin E	IU	0.0		0.0		0.2	0.2
Vitamin K	mcg	0.3		0.2		**	0.2
Biotin	mcg	0.7		0.5		**	0.5
Thiamine (Vitamin B <sub>1</sub> )	mcg	20.0		14.0		1.8	15.8
Riboflavin (Vitamin B <sub>2</sub> )	mcg	50.0		35.0		5.8	40.8
Vitamin B <sub>6</sub>	mcg	20.0		14.0		**	14.0
Vitamin B <sub>12</sub>	mcg	0.1		0.1		**	0.1
Niacin	mcg	390.0		273.0		24.0	297.0
Folate	mcg	11.0		7.7		3.9	11.6
Pantothenic Acid	mcg	225.0		157.5		51.0	208.5
Vitamin C (ascorbic acid)	mg	10.0		7.0		**	7.0
<b>Minerals</b>							
Sodium	mg	19.0		13.3		39.4	52.7
Potassium	mg	48.0		33.6		56.7	90.3
Chloride	mg	43.0		30.1		30.6	60.7
Calcium	mg	23.0		16.1		103.1	119.2
Phosphorus	mg	13.0		9.1		56.8	65.9
Magnesium	mg	3.3		2.3		6.6	8.9
Manganese	mcg	0.3		0.2		5.1	5.3
Copper	mcg	30.0		21.0		73.4	94.4
Zinc	mg	0.2		0.1		0.7	0.8
Iodine	mcg	15.0		10.5		7.0	17.5
Iron	mg	0.1		0.1		**	0.1
Selenium	mcg	2.0		1.4		2.8	4.2
<b>OSMOLALITY</b> Prolact+6 H <sup>2</sup> MF fortifier mixed with Prolact HM human milk: 360 mOsm/kg							

\* Nutrient contributions from Prolacta's fortifier are based on median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium). Nutrient contributions from term human milk are average or representative values drawn from Reference 1.

\*\* Not a significant source of this nutrient.

1. American Academy of Pediatrics Committee on Nutrition. Appendix R. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 7th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2014:1431-1432.

# Prolact+8 (40 mL) Nutrition Information

## When Mixed With Preterm Human Milk



**Directions for Preparation and Use**  
Store at 20°C or colder until ready to use. Do not microwave. Once thawing process begins, administer within 48 hours. Mix full bottle with 60 mL of human milk. Gently swirl bottle to mix. DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use.

**40 mL Prolact+8 H<sup>2</sup>MF**  
Must be mixed with 60 mL human milk.

**Human Milk Fortifier (Human, Pasteurized)**  
When mixed, adds 8 Calories per fl oz.

**Caution**  
Non-ferrous iron. Infant will require additional vitamins and iron added separately from the product.

**Manufactured By**  
Prolecta Bioscience, Inc.  
City of Industry, CA 91746  
www.prolecta.com  
(888) PROLACT

**Nutrients per 40 mL (1 bottle)**

Protein.....	2.4 g	Carbohydrate.....	3.6 g
Fat.....	3.7 g	Calories.....	57.1

**Minerals**

Calcium.....	110.5 mg	Manganese.....	16.3 mcg
Phosphorus.....	56.2 mg	Copper.....	65.3 mcg
Magnesium.....	6.1 mg	Sodium.....	43.9 mg
Iron.....	0.1 mg	Potassium.....	63.4 mg
Zinc.....	0.7 mg	Chloride.....	36.7 mg

To be used under the supervision of a physician. Intended for premature/LBW infants fed human milk. When mixed, adds 8 Calories per fl oz.

**+8**

40 mL (1.4 fl oz)

Patented, U.S. Pat Nos. 8,545,920; 7,943,315; 8,278,046

**Ingredients**  
Human milk, contains less than 2% of the following: calcium glycerophosphate, calcium gluconate, sodium citrate, magnesium phosphate, calcium chloride, potassium citrate, calcium carbonate, zinc sulfate, cupric sulfate.

Product Code: 93901-40  
GTIN: 00612597021645  
LOT: CF08XXXX  
USE BY: Month Day, Year  
SERIAL: X

The nutrient values below are provided for general reference only. They are based on median values derived from multiple lots or values derived from a composite of multiple lots for the fortifier and the published reference regarding preterm human milk.\* Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS*	Unit	Preterm Human Milk Alone <sup>1</sup>	+	Prolact+8	=	Preterm Human Milk Fortified With Prolact+8 Per 100 mL	Per 100 kcal
Source/ Mixing Ratio		n/a		n/a		3:2	3:2
Volume	mL	100		60		100	102
Calories	kcal	67.0		40.2		97.7	100
<b>Macronutrients</b>							
Protein	g	1.6		1.0		2.4	3.5
Carbohydrate	g	7.3		4.4		3.6	8.2
Fat	g	3.5		2.1		3.7	5.9
<b>Vitamins</b>							
Vitamin A	IU	48.0		28.8		71.0	102.2
Vitamin D	IU	8.0		4.8		3.8	8.8
Vitamin E	IU	0.4		0.2		0.2	0.4
Vitamin K	mcg	2.0		1.2		**	1.2
Biotin	mcg	0.5		0.3		**	0.3
Thiamine (Vitamin B <sub>1</sub> )	mcg	8.9		5.3		2.5	8.0
Riboflavin (Vitamin B <sub>2</sub> )	mcg	27.0		16.2		8.6	25.4
Vitamin B <sub>6</sub>	mcg	6.2		3.7		**	3.7
Vitamin B <sub>12</sub>	mcg	0.0		0.0		**	0.0
Niacin	mcg	210.0		126.0		32.0	161.8
Folate	mcg	3.1		1.9		5.2	7.3
Pantothenic Acid	mcg	230.0		138.0		72.0	215.0
Vitamin C (ascorbic acid)	mg	4.4		2.6		**	2.6
<b>Minerals</b>							
Sodium	mg	28.0		16.8		44.0	62.3
Potassium	mg	50.0		30.0		62.3	94.5
Chloride	mg	58.0		34.8		36.7	73.2
Calcium	mg	25.0		15.0		110.3	128.3
Phosphorus	mg	14.5		8.7		57.3	67.6
Magnesium	mg	3.3		2.0		6.6	8.8
Manganese	mcg	0.4		0.2		5.0	5.4
Copper	mcg	38.0		22.8		73.4	98.5
Zinc	mg	0.4		0.2		0.8	1.0
Iodine	mcg	17.8		10.7		10.0	21.2
Iron	mg	0.1		0.1		**	0.1
Selenium	mcg	2.4		1.4		3.7	5.2
<b>OSMOLALITY</b> Prolact+8 H <sup>2</sup> MF fortifier mixed with Prolact HM human milk: 370 mOsm/kg							

\* Nutrient contributions from Prolecta's fortifier are based on median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium).

\*\* Not a significant source of this nutrient.

1. Koletzko B, Poindexter B, Uauy R, eds. Nutritional Care of Preterm Infants: Scientific Basis and Practical Guidelines. *World Review of Nutrition and Dietetics*; vol 110. Basel: Karger; 2014:304-305.

# Prolact+8 (40 mL) Nutrition Information

## When Mixed With Term Human Milk



**Directions for Preparation and Use**  
Store at 20°C or colder until ready to use. Do not microwave. Once thawing process begins, administer within 48 hours. Mix full bottle with 60 mL of human milk. Gently swirl bottle to mix. DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use.

**40 mL Prolact+8 H<sup>2</sup>MF**  
Must be mixed with 60 mL human milk.

**Human Milk Fortifier (Human, Pasteurized)**  
When mixed, adds 8 Calories per fl oz.

**Caution**  
Naturally iron-deficient. Infant will require additional vitamins and iron added separately from the product.

**Manufactured By**  
ProLacta Bioscience, Inc.  
City of Industry, CA 91746  
www.prolacta.com  
1(888) PROLACT

**Nutrients per 40 mL (1 bottle)**

Protein.....2.4 g	Carbohydrate.....3.6 g
Fat.....3.7 g	Calories.....57.1

**Minerals**

Calcium.....110.5 mg	Manganese.....16.3 mcg
Phosphorus.....86.2 mg	Copper.....65.3 mcg
Magnesium.....61.1 mg	Sodium.....43.9 mg
Iron.....0.1 mg	Potassium.....63.4 mg
Zinc.....0.7 mg	Chloride.....36.7 mg

To be used under the supervision of a physician. Intended for premature/LBW infants fed human milk. When mixed, adds 8 Calories per fl oz.

**+8**

40 mL (1.4 fl oz)

Patented, U.S. Pat Nos. 8,545,920; 7,943,315; 8,278,046

**Ingredients**  
Human milk, contains less than 2% of the following: calcium glycerophosphate, calcium gluconate, sodium citrate, magnesium phosphate, calcium chloride, potassium citrate, calcium carbonate, zinc sulfate, cupric sulfate.

Product Code: 93901-40  
GTIN: 00612597021645  
LOT: CF08XXXX  
USE BY: Month Day, Year  
SERIAL: X

The nutrient values below are provided for general reference only. They are based on median values derived from multiple lots or values derived from a composite of multiple lots for the fortifier and the published reference regarding term human milk.\* Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS*	Unit	Term Human Milk Alone <sup>1</sup>	+	Prolact+8	=	Term Human Milk Fortified With Prolact+8 Per 100 mL	Per 100 kcal
Source/ Mixing Ratio		n/a		n/a		3:2	3:2
Volume	mL	100		60		100	102
Calories	kcal	68.0		40.8		98.3	100
<b>Macronutrients</b>							
Protein	g	0.9		0.5		2.4	2.9
Carbohydrate	g	8.0		4.8		3.6	8.5
Fat	g	3.5		2.1		3.7	5.9
<b>Vitamins</b>							
Vitamin A	IU	150.0		90.0		71.0	163.7
Vitamin D	IU	1.3		0.8		3.8	4.7
Vitamin E	IU	0.0		0.0		0.2	0.2
Vitamin K	mcg	0.3		0.2		**	0.2
Biotin	mcg	0.7		0.4		**	0.4
Thiamine (Vitamin B <sub>1</sub> )	mcg	20.0		12.0		2.5	14.7
Riboflavin (Vitamin B <sub>2</sub> )	mcg	50.0		30.0		8.6	39.3
Vitamin B <sub>6</sub>	mcg	20.0		12.0		**	12.0
Vitamin B <sub>12</sub>	mcg	0.1		0.1		**	0.1
Niacin	mcg	390.0		234.0		32.0	270.5
Folate	mcg	11.0		6.6		5.2	12.0
Pantothenic Acid	mcg	225.0		135.0		72.0	210.5
Vitamin C (ascorbic acid)	mg	10.0		6.0		**	6.1
<b>Minerals</b>							
Sodium	mg	19.0		11.4		44.0	56.3
Potassium	mg	48.0		28.8		62.3	92.6
Chloride	mg	43.0		25.8		36.7	63.6
Calcium	mg	23.0		13.8		110.3	126.2
Phosphorus	mg	13.0		7.8		57.3	66.2
Magnesium	mg	3.3		2.0		6.6	8.7
Manganese	mcg	0.3		0.2		5.0	5.3
Copper	mcg	30.0		18.0		73.4	93.0
Zinc	mg	0.2		0.1		0.8	0.9
Iodine	mcg	15.0		9.0		10.0	19.3
Iron	mg	0.1		0.1		**	0.1
Selenium	mcg	2.0		1.2		3.7	5.0
<b>OSMOLALITY</b> Prolact+8 H <sup>2</sup> MF fortifier mixed with Prolact HM human milk: 370 mOsm/kg							

\* Nutrient contributions from ProLacta's fortifier are based on median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium). Nutrient contributions from term human milk are average or representative values drawn from Reference 1.

\*\* Not a significant source of this nutrient.

1. American Academy of Pediatrics Committee on Nutrition. Appendix R. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 7th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2014:1431-1432.

# Prolact+10 (50 mL) Nutrition Information

## When Mixed With Preterm Human Milk



**Directions for Preparation and Use**  
Store at 20°C or colder and ready to use. Do not microwave. Once thawing process begins, administer within 48 hours. Mix full bottle with 50 mL of human milk. Gently swirl bottle to mix. DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use.

**50 mL Prolact+10 H<sup>2</sup>MF**  
Must be mixed with 50 mL human milk.

**Human Milk Fortifier (Human, Pasteurized)**  
When mixed, adds 10 Calories per fl oz.

**Caution**  
Naturally iron-poor. Infant will require additional vitamins and iron added separately from the product.

**Manufactured By**  
ProLacta Bioscience, Inc.  
City of Industry, CA 91746  
www.prolacta.com  
(888) PROLACT

**Nutrients per 50 mL (1 bottle)**  
Protein.....3.1 g Carbohydrate.....4.2 g  
Fat.....4.7 g Calories.....71.4

**Minerals**  
Calcium.....110.5 mg Manganese 20.4 mcg  
Phosphorus.....58.7 mg Copper.....76.5 mcg  
Magnesium.....6.4 mg Sodium.....46.0 mg  
Iron.....0.1 mg Potassium.....66.5 mg  
Zinc.....0.8 mg Chloride.....40.8 mg

To be used under the supervision of a physician.  
Intended for preterm/LBW infants fed human milk.  
When mixed, adds 10 Calories per fl oz.

**+10**  
50 mL (1.7 fl oz)

**Ingredients**  
Human milk, contains less than 2% of the following: calcium glycerophosphate, calcium gluconate, sodium citrate, magnesium phosphate, calcium chloride, potassium citrate, calcium carbonate, zinc sulfate, cupric sulfate.

Product Code: 93901-50  
GTIN: 00812597021050  
LOT: CF10XXXX  
USE BY: Month Day, Year  
SERIAL: X

Patented, U.S. Pat Nos. 8,545,920; 7,943,315; 8,278,046

The nutrient values below are provided for general reference only. They are based on median values derived from multiple lots or values derived from a composite of multiple lots for the fortifier and the published reference regarding preterm human milk.\* Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS*	Unit	Preterm Human Milk Alone <sup>1</sup>	+	Prolact+10	=	Preterm Human Milk Fortified With Prolact+10 Per 100 mL	Per 100 kcal
Source/ Mixing Ratio		n/a		n/a		5:5	5:5
Volume	mL	100		50		100	95
Calories	kcal	67.0		33.5		105.4	100
<b>Macronutrients</b>							
Protein	g	1.6		0.8		3.0	3.6
Carbohydrate	g	7.3		3.7		4.5	7.8
Fat	g	3.5		1.8		4.6	6.1
<b>Vitamins</b>							
Vitamin A	IU	48.0		24.0		77.0	95.8
Vitamin D	IU	8.0		4.0		3.6	7.2
Vitamin E	IU	0.4		0.2		0.3	0.5
Vitamin K	mcg	2.0		1.0		**	1.0
Biotin	mcg	0.5		0.3		**	0.3
Thiamine (Vitamin B <sub>1</sub> )	mcg	8.9		4.5		3.3	7.4
Riboflavin (Vitamin B <sub>2</sub> )	mcg	27.0		13.5		9.6	21.9
Vitamin B <sub>6</sub>	mcg	6.2		3.1		**	3.1
Vitamin B <sub>12</sub>	mcg	0.0		0.0		**	0.0
Niacin	mcg	210.0		105.0		40.0	145.0
Folate	mcg	3.1		1.6		5.8	7.0
Pantothenic Acid	mcg	230.0		115.0		90.0	205.0
Vitamin C (ascorbic acid)	mg	4.4		2.2		**	2.2
<b>Minerals</b>							
Sodium	mg	28.0		14.0		46.6	57.5
Potassium	mg	50.0		25.0		67.8	88.1
Chloride	mg	58.0		29.0		40.8	69.8
Calcium	mg	25.0		12.5		110.6	123.1
Phosphorus	mg	14.5		7.3		60.4	67.7
Magnesium	mg	3.3		1.7		6.9	8.6
Manganese	mcg	0.4		0.2		5.1	5.3
Copper	mcg	38.0		19.0		79.1	98.1
Zinc	mg	0.4		0.2		0.8	1.0
Iodine	mcg	17.8		8.9		11.0	19.9
Iron	mg	0.1		0.1		**	0.1
Selenium	mcg	2.4		1.2		4.7	5.9
<b>OSMOLALITY</b>		Prolact+10 H <sup>2</sup> MF fortifier mixed with Prolact HM human milk: 367 mOsm/kg					

\* Nutrient contributions from ProLacta's fortifier are based on median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium).

\*\* Not a significant source of this nutrient.

1. Koletzko B, Poindexter B, Uauy R, eds. Nutritional Care of Preterm Infants: Scientific Basis and Practical Guidelines. *World Review of Nutrition and Diets*; vol 110. Basel: Karger; 2014:304-305.

# Prolact+10 (50 mL) Nutrition Information

## When Mixed With Term Human Milk



**Directions for Preparation and Use**  
 Store at 20°C or colder until ready to use. Do not microwave. Once thawing process begins, administer within 48 hours. Mix full bottle with 50 mL of human milk. Gently swirl bottle to mix. DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use.

**50 mL Prolact+10 H<sup>2</sup>MF**  
 Must be mixed with 50 mL human milk.

**Human Milk Fortifier (Human, Pasteurized)**  
 When mixed, adds 10 Calories per fl oz.

**Caution**  
 Nutritionally incomplete. Infant will require additional vitamins and iron added separately from the product.

**Manufactured By**  
 ProLacta Bioscience, Inc.  
 City of Industry, CA 91746  
 www.prolacta.com  
 (888) PROLACT

**Nutrients per 50 mL (1 bottle)**  
 Protein.....3.1 g Carbohydrate.....4.2 g  
 Fat.....4.7 g Calories.....71.4

**Minerals**  
 Calcium.....110.5 mg Manganese.....20.4 mcg  
 Phosphorus.....58.7 mg Copper.....76.5 mcg  
 Magnesium.....6.4 mg Sodium.....46.0 mg  
 Iron.....0.1 mg Potassium.....66.5 mg  
 Zinc.....0.8 mg Chloride.....40.8 mg

To be used under the supervision of a physician.  
 Intended for premature/LBW infants fed human milk.  
 When mixed, adds 10 Calories per fl oz.

**+10**  
 50 mL (1.7 fl oz)

**Ingredients**  
 Human milk, contains less than 2% of the following: calcium glycerophosphate, calcium gluconate, sodium citrate, magnesium phosphate, calcium chloride, potassium citrate, calcium carbonate, zinc sulfate, cupric sulfate.

Product Code: 93901-50  
 GTIN: 00912597021050  
 LOT: CF10XXXX  
 USE BY: Month Day, Year  
 SERIAL: X

Patented, U.S. Pat Nos. 8,545,920; 7,943,315; 8,278,046

The nutrient values below are provided for general reference only. They are based on median values derived from multiple lots or values derived from a composite of multiple lots for the fortifier and the published reference regarding term human milk.\* Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS*	Unit	Term Human Milk Alone <sup>1</sup>	+	Prolact+10	=	Term Human Milk Fortified With Prolact+10 Per 100 mL	Per 100 kcal
Source/ Mixing Ratio		n/a		n/a		5:5	5:5
Volume	mL	100		50		100	94
Calories	kcal	68.0		34.0		105.9	100
<b>Macronutrients</b>							
Protein	g	0.9		0.5		3.0	3.3
Carbohydrate	g	8.0		4.0		4.5	8.0
Fat	g	3.5		1.8		4.6	6.0
<b>Vitamins</b>							
Vitamin A	IU	150.0		75.0		77.0	152.0
Vitamin D	IU	1.3		0.7		3.6	4.3
Vitamin E	IU	0.0		0.0		0.3	0.3
Vitamin K	mcg	0.3		0.2		**	0.2
Biotin	mcg	0.7		0.4		**	0.4
Thiamine (Vitamin B <sub>1</sub> )	mcg	20.0		10.0		3.3	13.3
Riboflavin (Vitamin B <sub>2</sub> )	mcg	50.0		25.0		9.6	34.6
Vitamin B <sub>6</sub>	mcg	20.0		10.0		**	10.0
Vitamin B <sub>12</sub>	mcg	0.1		0.1		**	0.1
Niacin	mcg	390.0		195.0		40.0	235.0
Folate	mcg	11.0		5.5		5.8	11.3
Pantothenic Acid	mcg	225.0		112.5		90.0	202.5
Vitamin C (ascorbic acid)	mg	10.0		5.0		**	5.0
<b>Minerals</b>							
Sodium	mg	19.0		9.5		46.6	56.1
Potassium	mg	48.0		24.0		67.8	91.8
Chloride	mg	43.0		21.5		40.8	62.3
Calcium	mg	23.0		11.5		110.6	122.1
Phosphorus	mg	13.0		6.5		60.4	66.9
Magnesium	mg	3.3		1.7		6.9	8.6
Manganese	mcg	0.3		0.2		5.1	5.3
Copper	mcg	30.0		15.0		79.1	94.1
Zinc	mg	0.2		0.1		0.8	0.9
Iodine	mcg	15.0		7.5		11.0	18.5
Iron	mg	0.1		0.1		**	0.1
Selenium	mcg	2.0		1.0		4.7	5.7
<b>OSMOLALITY</b>		Prolact+10 H <sup>2</sup> MF fortifier mixed with Prolact HM human milk: 367 mOsm/kg					

\* Nutrient contributions from ProLacta's fortifier are based on median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium). Nutrient contributions from term human milk are average or representative values drawn from Reference 1.

\*\* Not a significant source of this nutrient.

1. American Academy of Pediatrics Committee on Nutrition. Appendix R. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 7th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2014:1431-1432.

# Prolact HM (118 mL), PremieLact (10 mL), Prolact CR (10 mL) Nutrition Information

The nutrient values are provided for general reference only. They are based on median values derived from multiple lots. Always use the nutrient values on the product label when making feeding calculations.



NUTRIENTS*	Unit	Prolact HM	PremieLact	Prolact CR†		
Volume	mL	100	10	1	10	100
Calories	kcal	71.6	7.16	2.6	26.2	262.0
<b>Macronutrients</b>						
Protein	g	1.0	0.10	0.01	0.08	0.8
Carbohydrate	g	7.6	0.76	0.07	0.69	6.9
Fat	g	4.1	0.41	0.26	2.57	25.7
<b>Vitamins</b>						
Vitamin A	IU	103.0	10.30			
Vitamin D	IU	**	**			
Vitamin E	IU	0.5	0.05			
Vitamin K	mcg	**	**			
Biotin	mcg	**	**			
Thiamine (Vitamin B <sub>1</sub> )	mcg	5.9	0.59			
Riboflavin (Vitamin B <sub>2</sub> )	mcg	7.0	0.70			
Vitamin B <sub>6</sub>	mcg	**	**			
Vitamin B <sub>12</sub>	mcg	**	**			
Niacin	mcg	70.0	7.00			
Folate	mcg	**	**			
Pantothenic Acid	mcg	210.0	21.00			
Vitamin C (ascorbic acid)	mg	**	**			
<b>Minerals</b>						
Sodium	mg	8.9	0.89			
Potassium	mg	42.9	4.29			
Chloride	mg	29.5	2.95			
Calcium	mg	26.2	2.62			
Phosphorus	mg	13.0	1.30			
Magnesium	mg	3.1	0.31			
Manganese	mcg	**	**			
Copper	mcg	20.4	2.04			
Zinc	mg	0.1	0.01			
Iodine	mcg	12.8	1.28			
Iron	mg	**	**			
Selenium	mcg	1.5	0.15			
<b>OSMOLALITY</b>	mOsm/kg	290‡:1	290‡:1	287		

\* Nutritional values are median values derived from multiple lots.

\*\* Not a significant source of this nutrient

† The caloric value of 2.5 kcal/mL on the Prolact CR label represents the minimum value.

‡ Referenced osmolality value for human milk.

1. Sapsford A, Smith C. Enteral Nutrition. In: Groh-Wargo S, Thompson M, Cox JH, eds. *Academy of Nutrition and Dietetics Pocket Guide to Neonatal Nutrition*. 2nd ed. Chicago, Illinois: Academy of Nutrition and Dietetics; 2016:88-89.

# Prolact RTF 24/26/28 (100 mL) Nutrition Information



**Directions for Preparation and Use**  
Store at -20°C or colder until ready to use. Do not microwave. Once thawing process begins, administer within 48 hours. Gently swirl bottle to mix; DO NOT SHAKE. Once mixed, keep refrigerated until used. The health of the infant depends on carefully following the directions for preparation and use. To be used under the supervision of a physician.

**100 mL Ready-to-Feed**  
Do not add water. Do not add formula. Do not mix with human milk.

**100 mL Prolact RTF 28**  
Human Milk-Based Premature Infant Formula  
Contains 28 Calories per fl oz.

Intended for VLBW infants who require a human milk fortified diet.  
Contains 28 Calories per fl oz.

**28**  
100 mL (3.4 fl oz)

**Nutrients per 100 mL (1 bottle)**

Protein.....3.0 g Carbohydrate.....8.4 g  
Fat.....5.7 g Calories.....96.9

**Minerals**

Calcium.....145.4 mg Copper.....91.8 mcg  
Phosphorus.....78.7 mg Sodium.....65.8 mg  
Magnesium.....2.7 mg Potassium.....98.3 mg  
Iron.....0.1 mg Chloride.....74.5 mg  
Zinc.....0.9 mg

Patented, U.S. Pat Nos. 7,943,315; 8,278,046

Product Code: 95028-100  
GTIN: 00812597022811  
LOT: CR26XXXX  
USE BY: Month Day, Year  
SERIAL: X

The nutrient values are provided for general reference only. They are based on median values derived from multiple lots, values derived from an individual lot, or values derived from a composite of multiple lots. Always use the nutrient values on the product label when making feeding calculations.

NUTRIENTS	Unit	Prolact RTF 24*	Prolact RTF 26†	Prolact RTF 28†
Volume	mL	100	100	100
Calories	kcal	82.1	88.7	96.9
<b>Macronutrients</b>				
Protein	g	2.4	2.6	2.9
Carbohydrate	g	8.1	8.1	8.3
Fat	g	4.5	5.1	5.8
<b>Vitamins</b>				
Vitamin A	IU	90.5	140.8	140.8
Vitamin D	IU	4.0	**	4.7
Vitamin E	IU	0.3	0.4	0.5
Vitamin K	mcg	**	**	**
Biotin	mcg	4.4	2.8	**
Thiamine (Vitamin B <sub>1</sub> )	mcg	6.2	5.8	5.6
Riboflavin (Vitamin B <sub>2</sub> )	mcg	15.1	16.7	14.8
Vitamin B <sub>6</sub>	mcg	**	**	**
Vitamin B <sub>12</sub>	mcg	**	**	**
Niacin	mcg	70.0	70.0	70.0
Folate	mcg	5.2	6.3	6.6
Pantothenic Acid	mcg	200.0	200.0	180.0
Vitamin C (ascorbic acid)	mg	**	**	**
<b>Minerals</b>				
Sodium	mg	56.0	60.7	64.8
Potassium	mg	83.2	90.1	98.1
Chloride	mg	64.3	68.3	75.5
Calcium	mg	123.8	134.3	144.9
Phosphorus	mg	66.6	71.7	78.9
Magnesium	mg	7.1	7.7	8.4
Manganese	mcg	5.7	6.2	6.7
Copper	mcg	78.8	80.0	87.2
Zinc	mg	0.8	0.8	0.9
Iodine	mcg	12.6	16.8	19.7
Iron	mg	**	0.1	0.1
Selenium	mcg	3.5	4.0	4.4
<b>OSMOLALITY</b>	mOsm/kg	<b>384</b>	<b>383</b>	<b>393</b>

\* Nutritional values are median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from an individual lot (vitamins, iodine, and selenium).

\*\* Not a significant source of this nutrient.

† Nutritional values are median values derived from multiple lots (macronutrients and minerals, except iodine and selenium) or values derived from a composite of multiple lots (vitamins, iodine, and selenium).

# 100% Human Milk Feeding in the NICU

Options available for maintaining an exclusive human milk diet for extremely low birth weight and very low birth weight babies



Mother's own milk (MOM) is always preferred, but neither MOM nor donor milk always contains 20 kcal/fl oz.<sup>1,2</sup>

<p>MOM adequate supply</p> <p>Colostrum</p>	<p>MOM and <b>Prolact+ H<sup>2</sup>MF<sup>®</sup></b> and <b>Prolact CR<sup>®</sup></b></p>
<p>MOM limited supply</p> <p>Colostrum or <b>PremieLact<sup>®</sup></b> or <b>Prolact HM<sup>®</sup></b></p>	<p>MOM and/or <b>Prolact HM<sup>®</sup></b> and <b>Prolact+ H<sup>2</sup>MF<sup>®</sup></b> and <b>Prolact CR<sup>®</sup></b></p>
<p>MOM unavailable</p> <p><b>PremieLact<sup>®</sup></b> or <b>Prolact HM<sup>®</sup></b></p>	<p><b>Prolact RTF<sup>®</sup></b> and <b>Prolact CR<sup>®</sup></b></p>

1. American Academy of Pediatrics Committee on Nutrition. Appendix R. In: Kleinman RE, Greer FR, eds. *Pediatric Nutrition*. 7th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2014:1431-1432.

2. Wojcik KY, Rechtman DJ, Lee ML, et al. Macronutrient analysis of a nationwide sample of donor breast milk. *J Am Diet Assoc*. 2009;109(1):137-140.





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