



Cow & Gate First Infant Milk

Indications

Cow & Gate First Infant Milk is a nutritionally complete milk for combination feeding or infants who are not being breastfed. It is suitable for use from birth until 12 months. Cow & Gate First Infant Milk contains prebiotic oligosaccharides (OS), nucleotides, a fat blend that includes long chain polyunsaturated fatty acids (LCPs), calcium and phosphorus in a ratio that aids calcium absorption, and added vitamins, minerals and antioxidants, to help ensure healthy growth and development¹⁻⁹.

Prebiotic OS are non-digestible ingredients that occur naturally in breast milk and some grains, vegetables and fruits, such as bananas.

Contra-indications

- I. Not suitable for intravenous use.
- II. Not suitable for cows' milk allergy or lactose intolerance.
- III. Not suitable for vegetarians.

Pack formats and product codes

Cow & Gate First Infant Milk from newborn is available in both powder and liquid formats. 800g EazyPacks are supplied in cases of 6: the product PIP code is 407-3904. Cow & Gate First Infant Milk ready-to-feed is available in 1l bottles supplied in cases of 4. Cow & Gate First Infant Milk ready-to-feed is also available in 200ml bottles supplied in cases of 12; the product PIP code is 251-1434.

Cow & Gate First Infant Milk from newborn is also available as a sterilised ready-to-feed milk in a 70ml bottle in hospital, and as part of a Cow & Gate starter pack of 6 bottles and 6 teats, available from some retailers.

Preparation and storage

All Cow & Gate products carry preparation instructions. Please see packaging for further information. EazyPacks should be stored in a cool, dry place; do not refrigerate, and use contents within four weeks of opening. Store ready-to-feed bottles in a cool, dry place away from sunlight before opening. Once opened, any unused milk in the 200ml bottle can be stored by replacing the cap, storing upright in a refrigerator and should be used within 24 hours. Once opened, any unused milk in the 1 litre bottle must be refrigerated immediately and used within 48 hours. If milk is fed directly from the 70ml bottle, discard contents within 1 hour of opening.

Nutricia Ltd, White Horse Business Park, Trowbridge, Wiltshire BA14 0XB.

1. Arslanoglu S *et al.* J Nutr 2008;138:1091-5. 2. Bruzzese E *et al.* Clin Nutr 2009;28(2):156-61. 3. Knol J *et al.* J Pediatr Gastroenterol Nutr 2005;40:36-42. 4. Maldonado J *et al.* Early Hum Dev 2001;65 (Suppl):S69-74. 5. Pickering LK *et al.* Pediatrics 1998;101(2):242-9. 6. Birch EE *et al.* Pediatr Res 1998;44:201-9. 7. Birch EE *et al.* Dev Med Child Neuro 2000;42:174-81. 8. Willats *et al.* Lancet 1998;352:688-91. 9. Heaney RP. Annu Rev Nutr 1993;13:287-316.

Healthcare professional helpline

0800 996 1234 **eln.nutricia.co.uk**

Ingredients: powder

Demineralised whey (from **milk**), Vegetable oils (Palm oil, Rapeseed oil, Coconut oil, Sunflower oil, Single cell oil), Lactose (from **milk**), Skimmed **milk**, Galacto-oligosaccharides (GOS) (from **milk**), Whey protein concentrate (from **milk**), Fructo-oligosaccharides (FOS), Calcium carbonate, **Fish** oil, Potassium chloride, Potassium citrate, Vitamin C, Magnesium chloride, Choline chloride, Emulsifier (**Soy** lecithin), Taurine, Sodium citrate, Calcium phosphate, Iron sulphate, Vitamin E, Zinc sulphate, Uridine 5'-monophosphate sodium salt, Cytidine 5'-monophosphate, Inositol, Adenosine 5'-monophosphate, Inosine 5'-monophosphate sodium salt, Niacin, L-tryptophan, Guanosine 5'-monophosphate sodium salt, Pantothenic acid, Folic acid, Copper sulphate, Vitamin A, Biotin, Vitamin B₁₂, Thiamin, Vitamin D₃, Vitamin B₆, Manganese sulphate, Potassium iodide, Sodium selenite, Vitamin K₁, L-Carnitine, Riboflavin.

Ingredients: liquid*

Demineralised whey (from **milk**), Vegetable oils (Palm oil, Rapeseed oil, Coconut oil, Sunflower oil, Single cell oil), Lactose (from **milk**), Skimmed **milk**, Galacto-oligosaccharides (GOS) (from **milk**), Whey protein concentrate (from **milk**), Fructo-oligosaccharides (FOS), Calcium carbonate, **Fish** oil, Potassium chloride, Potassium citrate, Vitamin C, Magnesium chloride, Choline chloride, Emulsifier (**Soy** lecithin), Taurine, Sodium citrate, Calcium phosphate, Iron sulphate, Vitamin E, Zinc sulphate, Uridine 5'-monophosphate sodium salt, Cytidine 5'-monophosphate, Inositol, Adenosine 5'-monophosphate, Inosine 5'-monophosphate sodium salt, Niacin, L-tryptophan, Guanosine 5'-monophosphate sodium salt, Pantothenic acid, Folic acid, Copper sulphate, Vitamin A, Biotin, Vitamin B₁₂, Thiamin, Vitamin D₃, Vitamin B₆, Manganese sulphate, Potassium iodide, Sodium selenite, Vitamin K₁, L-Carnitine, Riboflavin.

Allergy Advice. For allergens, see ingredients in **bold**.

PDS: 0121711-01-0002 & 1006774

*Ingredients listed refer to 1l liquid bottle.





Cow & Gate First Infant Milk

Typical values	Units	Powder*			Liquid*	
		/100g	/100ml prepared feed	/100kcal	/100ml	/100kcal
Major Nutrients						
Energy	kJ	2025	275	420	275	417
	kcal	484	66	100	66	100
Fat	g	24.5	3.4	5.1	3.4	5.1
of which, saturates	g	10.9	1.5	2.2	1.5	2.3
of which, unsaturates	g	13.6	1.9	2.9	1.9	2.8
of which, LCPs†	g	0.104	0.015	0.022	0.016	0.024
of which, arachidonic acid (AA)	g	0.047	0.006	0.010	0.006	0.010
of which, docosahexaenoic acid (DHA)	g	0.047	0.006	0.010	0.006	0.010
Carbohydrate	g	54.0	7.3	11	7.3	11.1
of which, sugars	g	53.4	7.3	11	7.2	10.9
of which, lactose	g	51.6	7.0	10.6	7.0	10.6
Fibre	g	4.1	0.6	0.8	0.6	0.9
Protein	g	9.7	1.3	2.0	1.3	2.0
of which, whey	g	5.8	0.8	1.2	0.8	1.2
of which, casein	g	3.9	0.5	0.8	0.5	0.8
Salt	g	0.31	0.04	0.07	0.05	0.07
Vitamins						
Vitamin A	µg RE	399	54	82	55	83.5
Vitamin D ₃	µg	8.7	1.2	1.8	1.2	1.8
Vitamin E	mg α-TE	8.0	1.1	1.7	1.1	1.7
Vitamin K ₁	µg	32	4.4	6.7	4.5	6.8
Vitamin C	mg	67	9.2	14	8.3	12.6
Thiamin (B ₁)	mg	0.37	0.05	0.08	0.05	0.08
Riboflavin (B ₂)	mg	0.88	0.12	0.18	0.10	0.15
Niacin (B ₃)	mg	3.1	0.43	0.65	0.43	0.65
Pantothenic acid	mg	2.46	0.34	0.51	0.33	0.50
Vitamin B ₆	mg	0.27	0.04	0.06	0.04	0.06
Folic acid	µg	93	13	19	12	18.2
Vitamin B ₁₂	µg	1.4	0.19	0.29	0.18	0.27
Biotin	µg	10	1.4	2.1	1.5	2.3
Minerals						
Sodium	mg	125	17	26	18	27
Potassium	mg	529	72	109	68	103
Chloride	mg	340	46	70	41	62.5
Calcium	mg	404	55	83	50	76.3
Phosphorus	mg	225	31	47	28	42.2
Magnesium	mg	37	5.1	7.7	5	7.6
Iron	mg	3.9	0.53	0.80	0.55	0.83
Zinc	mg	3.7	0.51	0.77	0.5	0.75
Copper	mg	0.29	0.04	0.06	0.04	0.06
Manganese	mg	0.056	0.008	0.012	0.008	0.011
Fluoride	mg	≤0.020	≤0.003	≤0.005	≤0.003	≤0.005
Selenium	µg	12	1.7	2.6	1.5	2.3
Iodine	µg	89	12	18	12	17.8
Others						
L-carnitine	mg	11	1.6	2.4	0.9	1.4
Choline	mg	89	12	18	10	15.2
Inositol	mg	28	3.8	5.8	3.3	5
Taurine	mg	39	5.3	8.1	5.3	8
Nucleotides	mg	24	3.2	4.9	3.2	4.9
GOS/FOS [‡]	g		0.8		0.8	
Osmolarity	mOsmol/l		300		285	
Osmolality	mOsmol/kg H ₂ O		335		315	
Potential renal solute load	mOsmol/l		120		121	
Scoop weight**	g		4.5			
Standard dilution**	%		13.6			

Fatty Acid Composition**		g/100g fatty acids
Saturated		
Butyric acid	C4:0	0.05
Caproic acid	C6:0	0.20
Caprylic acid	C8:0	2.01
Capric acid	C10:0	1.54
Lauric acid	C12:0	11.7
Myristic acid	C14:0	4.92
Palmitic acid	C16:0	18.2
Stearic acid	C18:0	3.25
Arachidic acid	C20:0	0.34
Behenic acid	C22:0	0.26
Lignoceric acid	C24:0	0.07
Unsaturated		
Palmitoleic acid	C16:1 (n-7)	0.19
Oleic acid	C18:1 (n-9)	37.6
Linoleic acid	C18:2 (n-6)	14.0
Alpha-linolenic acid	C18:3 (n-3)	2.59
Gamma-linolenic acid	C18:3 (n-6)	0.014
Eicosenoic acid	C20:1 (n-9)	0.49
Dihomo-gamma-linolenic acid	C20:3 (n-6)	0.01
Arachidonic acid	C20:4 (n-6)	0.200
Eicosapentaenoic acid	C20:5 (n-3)	0.043
Erucic acid	C22:1 (n-9)	0.11
Docosapentaenoic acid	C22:5 (n-3)	0.01
Docosahexaenoic acid	C22:6 (n-3)	0.200
Nervonic acid	C24:1 (n-9)	0.06
LA:ALA		5.4:1

Amino Acid Composition**	g/100g protein
L-alanine	4.0
L-arginine	3.0
L-aspartic acid	9.4
L-cysteine	1.8
L-glutamic acid	20.3
Glycine	1.9
L-histidine	2.5
L-isoleucine	4.8
L-leucine	10.2
L-lysine	8.7
L-methionine	2.2
L-phenylalanine	4.0
L-proline	7.4
L-serine	5.4
L-threonine	5.4
L-tryptophan	1.6
L-tyrosine	4.0
L-valine	5.3

*There are small nutritional differences between powder and liquid milks due to different processing methods. Liquid refers to 1l bottle.

**Refers to powder.

†Long chain polyunsaturated fatty acids.

‡Galacto-oligosaccharides/Fructo-oligosaccharides.

Details correct as of June 2018.

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