DATACARD



COW & GATE NUTRIPREM HUMAN MILK FORTIFIER

DESCRIPTION
Cow & Gate nutriprem human milk fortifier is a food for special medical purposes for the dietary management of preterm and low birthweight infants. It can be added to a mother's own expressed breast milk, or to donor breast milk. This product should only be used under the close supervision of a neonatologist or dietitian.

PRESCRIBABILITY
Cow & Gate nutriprem human milk fortifier is a food for special medical purposes, for the dietary management of preterm and low birthweight infants. For hospital use only.

CONTRA-INDICATIONS
i. Not suitable for intravenous use.
ii. It should not be used to enrich low birthweight formulas or infant milks.

Not suitable for use in:
iii. Cow's milk protein intolerance/allergy
iv. Lactose intolerance
v. Inborn errors of metabolism such as phenylketonuria, galactosaemia and galactokinase deficiency

IMPORTANT NOTICE
Breastfeeding is best for babies. Cow & Gate nutriprem human milk fortifier is a food for special medical purposes for the dietary management of preterm and low birthweight infants. It should only be used under medical supervision, after full consideration of the feeding options available including breastfeeding. It is not suitable for use as the sole source of nutrition.

PACK FORMATS
Cow & Gate nutriprem human milk fortifier is available in a powder format. 50 x 2.2g sachets are supplied in boxes of 4.

SHELF-LIFE
24 months. Best before date: see top of pack.

PREPARATION AND STORAGE
i. Wash hands and sterilise all utensils according to manufacturer's instructions.
ii. Check the best before date before use.
iii. Measure the required amount of breast milk into a sterilised bottle or feeding equipment.
iv. Add the contents of one sachet (2.2g) to every 50ml of warm breast milk (approx. 37°C). If less milk volume is available, please reduce the amount of powder accordingly to avoid overconcentration. If less than one sachet is being used, please weigh the powder with a laboratory scale if available, in strictly hygienic conditions.
v. Swirl gently until powder is dissolved completely.
vi. For best practice use fortified feed immediately or in accordance with hospital procedures for handling fortified breast milk.
vii. If feeding from bottle, discard unfinished feeds in bottle within 2 hours of preparation.

All Cow & Gate products carry preparation instructions. The sachets, which are packed in a protective atmosphere, should be kept tightly sealed and stored in a dry and cool place (do not refrigerate). Discard any unused opened sachets.

PRECAUTIONS
i. Cow & Gate nutriprem human milk fortifier is not sterile.
ii. This product contains a range of vitamins and minerals (except iron to allow for individual supplementation), therefore nutritional supplements and bloods may need to be reviewed as appropriate.

INGREDIENTS
Maltodextrin, Whey protein hydrolysate (from **milk**), Casein hydrolysate (from **milk**), Calcium glycerophosphate, Calcium lactate, Sodium chloride, Magnesium citrate, Sodium citrate, Vitamin C, Potassium chloride, Vitamin E, L-tryptophan, Niacin, Vitamin A, Vitamin D_3, Zinc sulphate, Pantothenic acid, Vitamin K_1, Riboflavin, Vitamin B_{12}, Thiamin, Vitamin B_6, Copper sulphate, Folic acid, Manganese sulphate, Potassium iodide, Sodium selenite, Biotin.

ALLERGY ADVICE
For allergens, see ingredients in **bold**.

DIETARY INFORMATION
Suitable for vegetarians

PDS: 0120788_V3

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TYPICAL VALUES	UNITS	Per 100g powder	2 sachets (4.4g, for use in 100ml)	Per 2.2g sachet	Preterm breast milk /100ml[1]	Preterm breast milk + 2 sachets (4.4g)/100ml
ENERGY	kJ	1475	65	33	280	345
	kcal	347	15	8	67	82
Fat	g	0	0	0	3.5	3.5
of which, saturates	g	0	0	0		
Carbohydrate	g	62.2	2.7	1.4	7.3	10
of which, sugars	g	5.5	0.2	0.1		
of which, lactose	g	0.4	0.02	0.01	7.3	7.3
Fibre	g	0	0	0		
Protein	g	25.2*	1.1*	0.6*	1.6	2.7
of which, whey	g	12.5	0.6	0.3		
of which, casein	g	12.5	0.6	0.3		
Salt	g	2	0.09	0.05	0.07	0.16
VITAMINS						
Vitamin A	µg	5275	232	116	15	247
Vitamin D_3	µg	115	5.0	2.5	0.2	5.2
Vitamin E	mg TE	60	2.6	1.3	0.35	3.0
Vitamin K_1	µg	144	6.4	3.2	2	8.4
Vitamin C	mg	275	12	6.0	4.4	16.4
Thiamin (B_1)	mg	3.01	0.13	0.07	0.009	0.14
Riboflavin (B_2)	mg	3.92	0.17	0.09	0.027	0.2
Niacin (B_3)	mg	59	2.6	1.3	0.21	2.5
Vitamin B_5	mg	2.52	0.11	0.06	0.006	0.1
Folate	µg	1146	50.16	25.08	3.1	53.26
Vitamin B_{12}	µg	4.6	0.2	0.1	0.02	0.2
Biotin	µg	57	2.5	1.3	0.54	3.0
Pantothenic acid	mg	17.2	0.76	0.38	0.23	1.0
MINERALS						
Sodium	mg/mmol	803 / 34.9	35 / 1.5	18 / 0.8	28 / 1.2	63 / 2.7
Potassium	mg/mmol	528 / 13.5	23 / 0.6	12 / 0.3	50 / 1.3	73 / 1.9
Chloride	mg/mmol	573 / 16.4	25 / 0.7	13 / 0.4	58 / 1.7	83 / 2.4
Calcium	mg/mmol	1491 / 37.3	66 / 1.7	33 / 0.8	25 / 0.6	91 / 2.3
Phosphorus	mg	872	38	19	14.5	52.5
Phosphate	mmol	28.1	1.2	0.6	0.5	1.7
Magnesium	mg/mmol	115 / 4.8	5 / 0.2	2.5 / 0.1	3.3 / 0.1	8.3 / 0.3
Iron	mg	0	0	0	0.09	0.09
Zinc	mg	14	0.61	0.31	0.37	0.98
Copper	mg	0.803	0.035	0.018	0.04	0.08
Manganese	mg	0.183	0.008	0.004	0.0004	0.008
Selenium	µg	39	1.7	0.9	2.4	4.1
Iodine	µg	252	11	5.5	17.8	28.8
OTHERS						

		Dissolved in water	Dissolved in breast milk
Osmolarity	mOsmol/l	100	400
Osmolality	mOsmol/kg H_2O	110	450
Potential renal solute load	mOsmol/l	104	

AMINO ACID COMPOSITION	G/100G PROTEIN
L-alanine	4.3
L-arginine	3.1
L-aspartic acid	10.2
L-cysteine	1.3
L-glutamic acid	23.9
Glycine	1.9
L-histidine	2.3
L-isoleucine	5.6
L-leucine	9.0
L-lysine	9.9
L-methionine	2.3
L-phenylalanine	3.4
L-proline	8.7
L-serine	6.0
L-threonine	6.7
L-tryptophan	1.4
L-tyrosine	3.5
L-valine	5.9

*Extensively hydrolysed cow's milk protein

[1]Koletzko B et al. Nutritional Care of Preterm Infants. Scientific Basis and Practical Guidelines, World Rev Nutr Diet, Karger 2014 vol 110: 304-305.

Details correct as of February 2020.