

DESCRIPTION

Neocate is a palatable, hypoallergenic, nutritionally complete, powdered elemental infant formula consisting of a mixture of essential and non-essential amino acids, carbohydrate, fat, vitamins, minerals and trace elements. A food for special medical purposes.

INDICATIONS

Neocate is a hypoallergenic,¹ elemental diet for infants designed for use as a sole source of nutrition or as a supplementary feed for the dietary management of:

1. Cow milk allergy.¹
2. Multiple food protein intolerance.^{2,3}
3. Gastroesophageal reflux in infants who fail to respond to anti reflux medication.^{4,5}
4. Eosinophilic Esophagitis.^{6(EE)}
5. Short bowel syndrome.⁷
6. Transition from parenteral to enteral nutrition.⁷
7. Growth failure in cow milk allergy.⁸
8. Protracted intractable diarrhoea.
9. Colic.^{6,9}
10. Allergy to breast milk¹⁰ - symptoms of food allergy while breast feeding.

SUGGESTED INTAKE

The quantity of Neocate should be determined by a clinician or a dietitian only and is dependent on the age, bodyweight and medical condition of the patient.

PREPARATION AND ADMINISTRATION

Each level scoop (5g) of Neocate requires 30ml (approx. 1 fl.oz) of water to yield the recommended feed concentration (15%).

1. Wash hands thoroughly and clean preparation area. Sterilise bottles and teats.
2. Boil fresh water for 5 minutes and allow to cool for at least 30 minutes so that it feels warm to the wrist. Pour the required amount of water into a sterilised feeding bottle.
3. Fill the scoop provided with Neocate and level off with clean, dry knife. Do not press the powder into the scoop. Only use the scoop provided.
4. Add the prescribed number of scoops of Neocate to the water. Replace the cap on the bottle and shake until the powder dissolves. Before feeding, ensure that the formula is at the correct temperature by placing a few drops on the wrist.

Approx age of baby from	Approx weight of baby		Level scoops of Neocate	Cooled, boiled water		Feed in 24 hours
	kg	lb		ml	fl oz	
Birth	3.5	7.75	3	90	3	6
3 Months	6	13.25	4	120	4	6
4 Months	7.5	16.5	6	180	6	5
7 Months	8.5	18.75	7	210	7	5
10 Months	9.5	21	8	240	8	5

The infant may require more or less than the quantities given here. If other foods are introduced, the amount of Neocate should be reduced accordingly.

5. Formula remaining in the bottle after one hour should be discarded. Formula must not be rewarmed during feeding.

Important Notice: Powdered infant formula is not sterile. Where possible, and especially for infants who are vulnerable to infection, prepare formula immediately prior to feeding.*

* If formula is prepared in advance, it must be cooled rapidly, stored in the refrigerator (2°C to 4°C) and used within 24 hours of preparation. Any formula remaining after 24 hours from preparation must be discarded. Shake or stir formula immediately before use. Formula should not be warmed for longer than 15 minutes prior to feeding. Do not boil formula and do not use a microwave oven to prepare or warm formula. For tube feeding "hang time" should not exceed 4 hours.

Neocate is now ready for use.

When bottle feeding, prolonged or frequent contact of feeds with the infant's teeth should be discouraged as this increases the risk of tooth decay. Cleaning the infant's teeth after the last feed at night should be encouraged.

OSMOLALITY

The osmolality of Neocate at 15% w/v concentration is 360 mosm/kg.

PRECAUTIONS

Use under medical supervision. Not for parenteral use.

STORAGE

Store in a cool, dry place. Always replace the container lid after use. Once opened use within one month.

PACK SIZE

Neocate is available in 400g cans.

SHELF LIFE

2 years.

NUTRITION INFORMATION	per 100g powder	per 100ml*	Amino Acid Profile	g per 100g powder	Fatty Acid Profile	g per 100g Fatty Acids		
Energy kJ	1990	298	L-Alanine	0.61	C6:0	0.15		
kcal	475	71	L-Arginine	1.08	C9:0	2.1		
Protein Equivalent g	13	1.95	L-Aspartic Acid	1.01	C10:0	2.4		
Total Amino Acids g	15.5	2.33	L-Cystine	0.4	C12:0	14.4		
Carbohydrate g	54	8.1	L-Glutamic Acid	nil added	C14:0	4.8		
of which sugars g	4.9	0.7	Glycine	0.95	C16:0	7.33		
Fat g	23	3.5	L-Histidine	0.62	C16:1	1.1		
of which saturates g	7	1	L-Isoleucine	0.95	C18:0	0.83		
monounsaturates g	10.6	1.6	L-Leucine	1.63	C18:1	47.37		
polyunsaturates g	4.3	0.6	L-Lysine	1.11	C18:2	17.53		
% LCT	95		L-Methionine	0.26	C18:3	1.73		
% MCT	5		L-Phenylalanine	0.73				
Ratio n6 : n3 fatty acids	10 : 1		L-Proline	1.16				
% energy from linoleic acid	7		L-Serine	0.71				
% energy from α linolenic acid	0.7		L-Threonine	0.8				
Fibre g	nil added		L-Tryptophan	0.32				
			L-Tyrosine	0.73				
			L-Valine	1.04				
			L-Carnitine	0.01				
			Taurine	0.03				
			L-Glutamine	1.34				
Vitamins	per 100g powder	per 100ml*	Minerals	per 100 g powder	per 100ml*	Trace Elements	per 100g powder	per 100ml*
Vitamin A µg RE	528	79	Sodium mg	120	18	Iron mg	7	1.05
IU	1758	264	mmol	5.2	0.78	Copper mg	0.38	0.06
Vitamin D µg	8.5	1.3	Potassium mg	420	63	Zinc mg	5	0.75
IU	340	51	mmol	10.8	1.6	Manganese mg	0.38	0.06
Vitamin E mg α TE	3.3	0.5	Chloride mg	290	43.5	Iodine µg	47	7
IU	4.95	0.74	mmol	8.2	1.2	Molybdenum µg	14.25	2.14
Vitamin C mg	40	6	Calcium mg	325	49	Selenium µg	11	1.65
Vitamin K µg	21	3.2	Phosphorus mg	230	35	Chromium µg	10	1.5
Thiamin mg	0.39	0.06	Magnesium mg	34	5.1			
Riboflavin mg	0.6	0.09	Calcium :					
Niacin mg	4.5	0.68	mg NE	1.4 : 1				
mg NE	9.8	1.5						
Vitamin B ₆ mg	0.52	0.08						
Folic Acid µg	38	5.7						
Vitamin B ₁₂ µg	1.25	0.19						
Biotin µg	26	3.9						
Pantothenic Acid mg	2.65	0.4						
Choline mg	50	7.5						
Inositol mg	100	15						

* At the recommended concentration of 15% w/v.

References

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