



# Danalac

Baby Milk

**PREBIOTICS  
GOS/FOS**



# Danalac

Infant Formula

Stage **1**



# Danalac

Follow-on Formula

Stage **2**



# Danalac

Growing-up Formula

Stage **3**



## *Infant*

*Happy Beginning of Life  
from birth to six months*

## *Baby*

*For Healthy Growth  
from six to twelve months*

## *Toddler*

*Sustaining Healthy Growth  
from one to three years*

# Prebiotics

Human milk fulfills many nutritive and immunoprotective functions for the neonate, especially within the neonatal gastrointestinal (GI) tract.

Although it is not possible to produce infant formula that exactly replicates the composition of human milk, one goal of infant formula manufacturers is to offer products that can simulate the composition and biological effects of human milk as closely as possible. A very important area is the effect of human milk on content, composition and activity of the gut microbiota.

Clinical studies in infants have shown that ingestion of Prebiotics such as GOS, LOS, inulin, and/or FOS can result in positive effects on the composition of the GI microbiota.

Prebiotics are food ingredients (typically oligosaccharides) that are selectively fermented by beneficial bacteria in the gut (such as Bifidobacterium), stimulating the growth and/or activity of those bacteria and thereby contributing to host health and well-being. Prebiotics are resistant to gastric acidity, enzymes and absorption. Their purpose in infant formula is to stimulate the growth and colonization of naturally occurring beneficial bacteria.

Nutrients	Nutritional Benefits
Protein	Protein provides the essential amino acids needed to aid in the building and maintenance of body tissues. Protein helps in tissue building and growth.
Carbohydrates	Carbohydrates is a major fuel for all of the body's cells and the only source of energy for the brain and red blood cells.
Fat	Fat is a source of energy in foods.
Linoleic acid (Omega 6)	They are needed for the fetal growth, brain development, learning and behavior.
α-linolenic acid (Omega 3)	
Taurine	Taurine helps to support overall mental and physical development.
Inositol	Inositol in nerve transmission, helps transport fats in the body. It's too necessary for the healthy developing of cell membranes.
GOS (Galacto-oligosaccharides)	Stimulate the growth and colonization of naturally occurring beneficial bacteria and thereby contributing to host health and well-being.
FOS (Fructo-oligosaccharides)	Have been widely studied and found to be effective in stimulating the growth of bifidobacteria and promoting the establishment of intestinal microbiota similar to that of breastfed infants.

Vitamins	Nutritional Benefits
Vitamin A	Vitamin A is essential for the functioning of the eye.
Vitamin D	Vitamin D3 helps support calcium absorption and improves bone strength. Vitamin D3 helps the body utilize calcium and phosphorus.
Vitamin E	Vitamin E is an antioxidant that helps protect cells in the body.
Vitamin K	Vitamin K and vitamin D work synergistically on bone metabolism to improve bone strength/ build strong bones.
Vitamin B1	Vitamins B1, B2 and B3 help to release energy from proteins, fats and carbohydrates.
Vitamin B2	
Niacin (Vitamin B3)	
Vitamin B6	Vitamin B6 is important for the production of energy.
Folic Acid	Folate plays a role in the formation of red blood cells. Folic acid is essential/important for growth and division of cells.
Pantothenic acid (Vitamin B5)	Pantothenic acid is required for the synthesis of coenzyme A and acyl carrier protein (ACP). Key role in metabolism of carbohydrates, proteins and fats.
Biotin	Involved in many cellular reactions.
Vitamin B12	Vitamin B12 is necessary for fat, carbohydrate and protein metabolism. Vitamin B12 is needed for/helps in the formation of red blood cell.
Choline	Choline helps support overall mental functioning.
Vitamin C	Vitamin C enhances absorption of iron from non meat products.

Minerals	Nutritional Benefits
Calcium	Calcium helps build/to support development of strong bones and teeth.
Phosphorous	Apart from providing strength to bones and teeth, other health benefits of phosphorus are potent in performing essential activities for different body parts like brain, kidney, heart and also, blood.
Magnesium	Magnesium helps in the absorption and retention of calcium.
Sodium	Sodium is essential in body cell and fluid functions.
Iron	Iron is an important component of red blood cells which carry oxygen to all parts of the body to help the body's production of energy. Iron is needed to produce haemoglobin, the protein in red blood cells that carries oxygen to tissues. Iron is needed to produce myoglobin, the protein that helps supply oxygen to muscle.
Zinc	Zinc is essential for growth. Zinc helps in physical development.
Copper	The health benefits of copper include proper growth, utilization of iron, enzymatic reactions, connective tissues, hair, eyes, ageing and energy production.
Iodine	Iodine is essential for the synthesis of thyroid hormones by the thyroid gland.
Potassium	Potassium is used in muscle contraction and enzyme operation.
Manganese	Health benefits of manganese ensure healthy bone structure, bone metabolism, helping in building essential enzymes for building bones.
Selenium	Selenium reacts as an antioxidant.

# Danalac

Infant Formula

Infant

Happy Beginning of Life  
from birth to six months



- ☀️ Composition close to breast milk
- ☀️ Strengthen the bone structure
- ☀️ Formula adapted to the nutritional needs of the infant



# Infant Formula

Average Nutritional Composition per			
Average Composition	Unit	100 g.	100 ml.
Energy	kJ	2119	270
Energy	kcal	506	65
Proteins	g	10,50	1,3
Whey protein	g	6,0	0,8
Caseins	g	4,5	0,6
Carbohydrates	g	57,8	7,4
Lactose	g	37,9	4,8
Maltodextrins	g	20,0	2,6
GOS Galacto-oligosaccharides	g	1,6	0,2
FOS Fructo-oligosaccharides	g	0,18	0,02
Fat	g	25,5	3,3
Linoleic acid C18:2	mg	4300	548
α-Linolenic acid αC18:3	mg	430	55
<b>Vitamins</b>			
Vitamin A	µg ER	627	80
Vitamin D <sub>3</sub>	µg	11,0	1,4
Vitamin E	mg α TE	11,2	1,4
Vitamin K <sub>1</sub>	µg	75,0	10
Vitamin C	mg	120	15
Vitamin B <sub>1</sub>	µg	709	90
Vitamin B <sub>2</sub>	µg	985	126
Vitamin B <sub>3</sub>	µg	5050	644
Vitamin B <sub>5</sub>	µg	3885	495
Vitamin B <sub>6</sub>	µg	425	54
Vitamin B <sub>8</sub>	µg	14,7	1,9
Vitamin B <sub>9</sub>	µg	108	14
Vitamin B <sub>12</sub>	µg	1,7	0,2
<b>Minerals</b>			
Calcium	mg	425	54
Phosphorus	mg	314	40
Magnesium	mg	52	7
Iron	mg	6,3	0,8
Zinc	mg	6,5	0,8
Manganese	µg	260	33
Copper	µg	320	41
Iodine	µg	155	20
Sodium	mg	125	16
Potassium	mg	470	60
Chloride	mg	340	43
Selenium	µg	26	3
Fluoride	µg	<504	<64
<b>Other nutrients</b>			
Choline	mg	80	10
Inositol	mg	100	13
Taurine	mg	53	6,8
L-carnitine	mg	18	2,3

**Nutritional Ingredients:** Skimmed milk ; demineralised **whey** protein ; vegetable oils (palm, soybean, coconut) ; maltodextrins ; **lactose** ; galacto-oligosaccharides ; **whey** protein concentrate ; mineral salts (tricalcium phosphate, magnesium chloride, potassium chloride, sodium citrate, dipotassium phosphate, ferrous sulphate, zinc sulphate, potassium hydroxide, sodium selenite, copper sulphate, manganese sulphate, potassium iodide) ; emulsifier: **soya** lecithin ; vitamins (sodium L-ascorbate, retinyl acetate, thiamin mononitrate, riboflavin, calcium D-pantothenate, pyridoxine hydrochloride, folic acid, cholecalciferol, DL-alpha tocopherol acetate, D-biotin, phytomenadione, nicotinamide, DL-alpha-tocopherol) ; fructo-oligosaccharides ; inositol ; taurine ; choline bitartrate ; acidity regulator: citric acid ; L-carnitine ; antioxidant: L-ascorbyl palmitate.

# Danalac

Follow-on Formula

Baby

For Healthy Growth  
from six to twelve months



- ☀ Essential fatty acid
- ☀ Contributes to brain and retinal development
- ☀ Support overall mental and physical development





# Follow-on Formula

Average Nutritional Composition per			
Average Composition	Unit	100 g.	100 ml.
Energy	kJ	1965	269
Energy	kcal	468	64
Proteins	g	15,5	2,1
Whey protein	g	3,1	0,4
Caseins	g	12,4	1,7
Carbohydrates	g	58,9	8,1
Lactose	g	38,9	5,3
Maltodextrins	g	20,0	2,7
GOS Galacto-oligosaccharides	g	1,8	0,2
FOS Fructo-oligosaccharides	g	0,2	0,03
Fat	g	18,5	2,5
Linoleic acid C18:2	mg	3300	452
α-Linolenic acid αC18:3	mg	330	45
<b>Vitamins</b>			
Vitamin A	µg ER	660	90
Vitamin D <sub>3</sub>	µg	10,8	1
Vitamin E	mg α TE	5,0	0,69
Vitamin K <sub>1</sub>	µg	55	8
Vitamin C	mg	100	14
Vitamin B <sub>1</sub>	µg	1140	156
Vitamin B <sub>2</sub>	µg	1000	137
Vitamin B <sub>3</sub>	µg	5500	754
Vitamin B <sub>5</sub>	µg	5300	726
Vitamin B <sub>6</sub>	µg	650	89
Vitamin B <sub>8</sub>	µg	23	3,2
Vitamin B <sub>9</sub>	µg	180	25
Vitamin B <sub>12</sub>	µg	2,0	0,27
<b>Minerals</b>			
Calcium	mg	650	89
Phosphorus	mg	420	58
Magnesium	mg	52	7
Iron	mg	6,3	0,9
Zinc	mg	6,5	0,9
Manganese	µg	260	36
Copper	µg	320	44
Iodine	µg	155	21
Sodium	mg	190	26
Potassium	mg	734	101
Chloride	mg	431	59
Selenium	µg	26	4
Fluoride	µg	<470	<64
<b>Other nutrients</b>			
Choline	mg	66	9,0
Inositol	mg	25	3,4
Taurine	mg	49	7
L-carnitine	mg	9,0	1,2

**Nutritional Ingredients:** Skimmed milk ; maltodextrins ; vegetable oils (palm, soybean, coconut) ; **lactose** ; galacto-oligosaccharides ; emulsifier: **soya** lecithin ; mineral salts (calcium carbonate, dipotassium phosphate, calcium hydroxide, magnesium chloride, ferrous sulphate, zinc sulphate, sodium selenite, copper sulphate, manganese sulphate, potassium iodide) ; vitamins (sodium L-ascorbate, retinyl acetate, cholecalciferol, thiamin mononitrate, nicotinamide, pyridoxine hydrochloride, folic acid, calcium-D-pantothenate, cyanocobalamin, phytomenadione, D-biotin, DL-alpha-tocopherol) ; fructo-oligosaccharides ; taurine ; choline bitartrate ; acidity regulator: citric acid ; inositol ; antioxidant: L-ascorbyl palmitate ; L-carnitine.




# Danalac

Growing-up Formula

Toddler

*Sustaining Healthy Growth  
from one to three years*



-  *Twenty four times more Iron than cow milk*
-  *Limited protein intake for natural growth*
-  *Source of energy*



# Growing-up Formula

Average Nutritional Composition per			
Average Composition	Unit	100 g.	100 ml.
Energy	kJ	1965	271
Energy	kcal	468	65
Proteins	g	15,5	2,1
Whey protein	g	3,1	0,4
Caseins	g	12,4	1,7
Carbohydrates	g	58,9	8,1
Lactose	g	38,9	5,4
Glucose syrup	g	20,0	2,8
GOS Galacto-oligosaccharides	g	1,8	0,2
FOS Fructo-oligosaccharides	g	0,2	0,03
Fat	g	18,5	2,6
Linoleic acid C18:2	mg	3300	455
α-Linolenic acid αC18:3	mg	330	46
<b>Vitamins</b>			
Vitamin A	µg ER	660	91
Vitamin D <sub>3</sub>	µg	10,8	1
Vitamin E	mg α TE	5,0	0,69
Vitamin K <sub>1</sub>	µg	55	8
Vitamin C	mg	100	14
Vitamin B <sub>1</sub>	µg	1140	157
Vitamin B <sub>2</sub>	µg	1000	138
Vitamin B <sub>3</sub>	µg	5500	759
Vitamin B <sub>5</sub>	µg	5300	731
Vitamin B <sub>6</sub>	µg	650	90
Vitamin B <sub>8</sub>	µg	23	3,2
Vitamin B <sub>9</sub>	µg	180	25
Vitamin B <sub>12</sub>	µg	2,0	0,28
<b>Minerals</b>			
Calcium	mg	650	90
Phosphorus	mg	420	58
Magnesium	mg	52	7
Iron	mg	6,3	0,9
Zinc	mg	6,5	0,9
Manganese	µg	260	36
Copper	µg	320	44
Iodine	µg	155	21
Sodium	mg	190	26
Potassium	mg	734	101
Chloride	mg	431	59
Selenium	µg	26	4
Fluoride	µg	<470	<65
<b>Other nutrients</b>			
Choline	mg	66	9,1
Inositol	mg	25	3,5
Taurine	mg	49	7
L-carnitine	mg	9,0	1,2

**Nutritional Ingredients:** Skimmed milk ; glucose syrup ; vegetable oils (palm, soybean, coconut) ; lactose ; galacto-oligosaccharides ; emulsifier: soya lecithin ; mineral salts (calcium carbonate, dipotassium phosphate, calcium hydroxide, magnesium chloride, ferrous sulphate, zinc sulphate, sodium selenite, copper sulphate, manganese sulphate, potassium iodide) ; vitamins (sodium L-ascorbate, retinyl acetate, cholecalciferol, thiamin mononitrate, nicotinamide, pyridoxine hydrochloride, folic acid, calcium-D-pantothenate, cyanocobalamin, phytomenadione, D-biotin, DL-alpha-tocopherol) ; fructo-oligosaccharides ; taurine ; choline bitartrate ; acidity regulator: citric acid ; inositol ; antioxidant: L-ascorbyl palmitate ; L-carnitine.

# Recommended preparation instructions



1. Wash your hands and sterilize bottle and accessories in boiling water for at least 5 minutes.



2. Boil pure and clean water for 10 minutes and let it cool down to 40-50°C. Pour the required quantity of boiled water into the sterilized feeding bottle (see feeding table).



3. Add the recommended number of leveled scoops of DANALAC (see feeding table). Use only the enclosed scoop.



4. Close the bottle and shake it well until the powder is entirely dissolved.



5. Check the temperature before feeding by shaking few drops on the inside of your wrist. NOTICE: Clean all utensils after feeding. Do not keep any milk left over for the next feed.

## Important Notice

Breast milk is the best natural food for baby. This product is part of a diversified diet. DANALAC infant milk can be given in cases where the supply of breast milk is not sufficient or breast feeding is not possible. To use infant milk formula follow your doctor's instructions.

Use only the enclosed scoop. Using more or less powder than indicated will either lead to dehydration or deprive your baby of proper nutrition. Do not change proportions without medical advice.

**WARNING:** Unboiled water, unboiled bottles or incorrect dilution can make your baby ill.

Never use a microwave to heat chilled infant formula as there is a danger of overheating the formula. It can also heat the milk unevenly (causing hot spots) and could scald your baby's mouth.

Always hold baby while feeding. Leaving baby unattended may cause choking.

## AFTER FEEDING:

Prepared formula should not be without refrigeration for more than 2 hours. Discard any remaining formula in the bottle after 1 hour from start of feeding. Wash the bottle and feeding utensils in hot, soapy water after each use.

## STORAGE CONDITIONS:

Store at room temperature. After opening, keep the product covered or closed and store in a cool and dry area.

Do not freeze and avoid exposure to excessive heat. Product should be used within four weeks after opening.

# Danalac

## Feeding Table



Recommended directions of use	Infant Formula Stage 1					Follow-on Formula Stage 2		Growing-up Formula Stage 3
	1-2 weeks	3-4 weeks	2 months	3-4 months	5-6 months	6-8 months	9-12 months	≥12 months
Age								
Feedings per 24 hr	6	6	5	5	4	3	3	2
Pre boiled water ml (cc)	90	120	150	180	210	210	180	180
Scoops (4.25 g)	3	4	5	6	7			
Scoops (4.6 g)						7	6	6



# Danalac

[www.danadairy.com](http://www.danadairy.com)

[www.danalac.com](http://www.danalac.com) 



[info@danadairy.com](mailto:info@danadairy.com)

[info@danalac.com](mailto:info@danalac.com)

**Dana Dairy Group**

4-6, Av. Industrielle  
CH-1227 Carouge  
Switzerland