

ALGORITHM FOR FORMULA SELECTION IN COWS' MILK PROTEIN ALLERGY (CMPA)¹

TYPE OF ALLERGY	MILD TO MODERATE COWS' MILK PROTEIN ALLERGY - not anaphylaxis				SEVERE COWS' MILK PROTEIN ALLERGY					
	6 months +	0-6 months		12 months +	0-12 months			12 months +		
	Soy Protein Formulas	Extensively Hydrolysed Formulas (eHF) e.g. Aptamil® Pepti-Junior Gold+ or Aptamil® AllerPro Syneo			Symptoms Persist			Amino Acid Formulas (AAF) e.g. Neocate®		
		↓ Complete symptom resolution after trial period ↓			↓ Complete resolution of cows' milk allergy symptoms in 3-14 days ²⁻⁴ ↓			↓		
		↓ Continue extensively hydrolysed formula ↓			↓			↓ Continue amino acid formula ↓		

REVIEW AFTER 6 MONTHS - CONSULT DIETITIAN WHERE REQUIRED

	Intact Protein Soy bean is the protein source	Extensively Hydrolysed Protein Intact cows' milk protein is broken down into small hypoallergenic peptides (extensively hydrolysed).			Amino acids are protein in its simplest, completely broken down form. Amino acids are unlikely to bind to immune cells and therefore are unlikely to cause an allergic reaction (hypoallergenic). Amino acids are not derived from cows' milk protein.					
Scoop size	71g	4.3g	Stage 1: 4.6g / Stage 2: 4.8g	Stage 3: 4.6g	4.5g	4.6g	4.8g	4.6g	7.3g	7.3g
Indication	Over 6 months of age with NO faltering growth and presenting with mild-moderate symptoms of CMPA.	For infants with malabsorption and/or with confirmed allergy to cows' milk and/or soy protein when partial or total breast milk substitute is required.	A cows' milk based extensively hydrolysed formula (eHF) recommended for formula fed infants with cows' milk allergy (not anaphylaxis) from birth. ^{5,6}	Suitable for toddlers with confirmed mild to moderate cows' milk and/or soy protein allergy.	Severe CMPA or Multiple Food Protein Allergy (MFPA).	Severe CMPA or MFPA, suitable for infants with short bowel syndrome.	Severe CMPA or MFPA, suitable for infants with short bowel syndrome.	Dairy replacement for babies & children with CMPA to support weaning.	Suitable for toddlers with Severe CMPA, MFPA or short bowel syndrome.	Suitable for toddlers with Severe CMPA, MFPA or short bowel syndrome.
Features	<ul style="list-style-type: none"> No added preservatives or artificial flavours. GMO free soy protein. Dairy free, plant-based formula. 	Improved digestion / tolerance An easy to digest fat blend including MCT. ⁷ Low osmolality. <0.1g lactose per 100mL of feed.	Effective dietary management Tolerated by 97% of infants with confirmed cows' milk allergy. ⁸ Go beyond symptom relief Unique synbiotic blend of prebiotics and probiotics to promote a gut microbiota closer to that of a breast fed infant. ⁹	Toddlers with multiple food allergies may need to continue on specialised formula to meet their nutritional requirements as the nutrient profile is better for growth than cereal or nut based drinks. ¹⁰	Effective dietary management Provides fast and effective symptom resolution in 3-14 days. ^{11,13} Go beyond symptom relief Helps balance the gut microbiota of food allergic infants. ^{14,15} Neocate Syneo has been studied in 3 clinical trials including 266 patients, evaluated over 8 years. ^{14,17}	Effective dietary management Provides fast and effective symptom resolution in 3-14 days. ^{11,13}	Effective dietary management Provides fast and effective symptom resolution in 3-14 days. ^{11,13}	Rice based starch as thickener to yield a semi-solid consistency. Provides a source of calcium, vitamin D and iron to support weaning for children with food allergy.	Suitable for use when food allergies persist after 1 year of age , especially when nutrition is a risk (e.g. fussy eaters, restricted diet, feeding difficulties).	Suitable for use when food allergies persist after 1 year of age , especially when nutrition is a risk (e.g. fussy eaters, restricted diet, feeding difficulties).
Contraindications	• Soy protein allergy.	<ul style="list-style-type: none"> Allergic to extensively hydrolysed cows' milk formula. Not suitable for babies with anaphylaxis to cows' milk protein. Galactosaemia. Primary lactose intolerance. 	• Not suitable for babies with anaphylaxis to cows' milk protein.	• Not suitable for toddlers with anaphylaxis to cows' milk protein.	<ul style="list-style-type: none"> Premature infants. Immunocompromised infants. Infants with central venous catheter, short bowel syndrome or post-pyloric feeding tube unless directed or supervised by a healthcare professional. Not for parenteral use. 	• Not for parenteral use.	• Not for parenteral use.	<ul style="list-style-type: none"> Not suitable as a sole source of nutrition. Not suitable for infants under 6 months of age. Not suitable for bottle feeding. Not for parenteral use. 	<ul style="list-style-type: none"> Not suitable for infants under 12 months of age. Not for parenteral use. 	<ul style="list-style-type: none"> Not suitable for infants under 12 months of age. Not for parenteral use.
Contains Prebiotics	✗	✗	✓ 9:1 scGOS : lcFOS	✓ 9:1 scGOS : lcFOS	✓ 9:1 scGOS : lcFOS	✗	✗	✗	✓ 1:1 scGOS : lcFOS	✗
Contains Probiotics	✗	✗	✓ Bifidobacterium breve M16V	✓ Bifidobacterium breve M16V	✓ Bifidobacterium breve M16V	✗	✗	✗	✗	✗
Contains Nucleotides	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Contains LCPs	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Contains MCT (% of TF)	✗	✓ (46%)	✗	✗	✓ (33%)	✓ (33%)	✓ (19%)	✓ (4%)	✓ (35%)	✓ (35%)
Availability	Pharmacy Retail and NutriciaStore	PBS Listed and NutriciaStore	Pharmacy Retail, NutriciaStore and selected supermarkets*		PBS Listed (Refer to the PBS Prescription Guide overleaf)			NutriciaStore	PBS Listed (Refer to the PBS Prescription Guide overleaf)	
PBS Number for CMPA	—	8259Q	—	—	11340W**	5467R**	2560R**	—	1192R**	11183N**
PBS Number for EOE	—	—	—	—	11343B*	1545H*	—	—	1521C*	11161K** or 11183N* (continuing treatment)

FOR HEALTHCARE PROFESSIONALS ONLY

* Stages 1 & 2 only. ** Authorities for increased maximum quantities, up to a maximum of 20 may be authorised.
 # Authorities for increased maximum quantities, up to a maximum of 52 may be authorised. Patient must be 18 years of age or less.
FOS - Fructo-oligosaccharides; **MCT** - Medium Chain Triglycerides; **CMPA** - Cows' Milk Protein Allergy; **EOE** - Eosinophilic Oesophagitis; **MFPA** - Multiple Food Protein Allergy; **TF** - Total Fatty Acids; **LCPs** - Long Chain Polyunsaturated Fatty Acids; **scGOS** - short chain galactooligosaccharides; **lcFOS** - long chain fructooligosaccharides; **References:** 1. Adapted from Preece K et al. NZMJ. 2016; 129(1430):78-88. 2. Vanderhoof JA et al. J Pediatr. 1997; 131:741-744. 3. De Boissieu D et al. J Pediatr. 1997; 131:744-747. 4. Hill DJ et al. J Pediatr. 1999; 135:118-121. 5. ASCIA. Information for patients, consumers and carers. Cow's milk (dairy) allergy. Available at <https://www.allergy.org.au/patients/food-allergy/cows-milk-dairy-allergy>. Accessed Nov 2020. 6. Kemp AS et al. MJA. 2008; 188(2):109-112. 7. Bach et al. Am J Clin Nutr. 1982; 36:950-952. 8. Giampietro PG et al. Pediatr Allergy Immunol. 2001; 12:83-6. 9. van der Aa et al. Clin Exp Allergy. 2010; 40:795-804. 10. ASCIA. Cow's milk (dairy) allergy. Available at <https://www.allergy.org.au/patients/food-allergy/cows-milk-dairy-allergy>. Accessed October 2020. 11. Vanderhoof JA et al. Intolerance to protein hydrolysed infant formulas: An underrecognized cause of gastrointestinal symptoms in infants. J Pediatr. 1997; 131:741-744. 12. De Boissieu D et al. Allergy to extensively hydrolyzed cow milk proteins in infants: Identification and treatment with an amino acid-based formula. J Pediatr. 1997; 131:744-747. 13. Hill DJ et al. The natural history of intolerance to soy and extensively hydrolyzed formula in infants with multiple food protein intolerance. J Pediatr. 1999; 135:118-121. 14. Condy, et al. Pediatr Res. 2018; 83(3):677-86. 15. Fox et al. Clin Transl Allergy. 2019; 9:5. 16. Harvey BM, et al. Pediatr Res. 2014; 75(2):343-351. 17. Burks AW, et al. Pediatr Allergy Immunol. 2015; 26(4):316-322.

BREAST MILK IS BEST FOR BABIES. Professional advice should be followed before using an infant milk formula. Social and financial implications should be considered when selecting a method of feeding. Please note that introducing partial bottle feeding could negatively affect breastfeeding. Good maternal nutrition is important for breastfeeding and reversing a decision not to breastfeed may be difficult. Infant formula should only be used as directed. Proper use of an infant formula is important for the infant.

Nutricia Australia Pty Ltd
 Talavera Corporate Centre
 Level 4 Building D, 12-24 Talavera Rd, Macquarie Park, NSW 2113.
 Nutricia Careline (Toll Free): 1800 438 500
www.nutricia.com.au/paediatrics/



ALLERGY DIETARY MANAGEMENT & PBS GUIDE

FOR HEALTHCARE PROFESSIONALS ONLY
 AUSTRALIA 2021

NUTRICIA'S UNIQUE SYNBIOTIC BLEND CAN REBALANCE THE GUT MICROBIOTA¹⁻⁵ BRINGING IT CLOSER TO THAT OF HEALTHY BREASTFED INFANTS⁴



Specific prebiotic mixture
scGOS/lcFOS or scFOS/lcFOS (9:1)

Specific probiotic mixture
B. Breve M-16V

Unique synbiotic blend



Aptamil® AllerPro Syneo contains - Bifidobacterium breve M-16V and scGOS/lcFOS (9:1), patented and clinically proven to modulate the gut microbiota similar to a breast fed infant.⁵



Neocate® Syneo contains - Bifidobacterium breve M-16V and scFOS/lcFOS (9:1) clinically proven to modulate the microbiota similar to a breastfed infant.⁹

References:
1. Harnig BM, et al. Pediatr Res. 2014;75(2):343-351. [AAF] 2. Burks AW, et al. Pediatr Allergy Immunol. 2015;26(4):316-322. [AAF] 3. PRESTO, unpublished data [AAF] 4. Abrahamse-Berkeveld M, et al. J Nutr Sci. 2016;5:e42. [EHF] 5. Von Der Aa LB, et al. Clin Exp Allergy. 2010;40(7):95-104. [EHF] 6. Candy DCA, et al. Pediatric research. 2018;83(3):677-686. [AAF] 7. Fox AT, et al. Clin Transl Allergy. 2019;9(1):5. [AAF] 8. Michaelis LW, et al. Allergy. EAACI 2016;71(S102):93-4. 9. The Pharmaceutical Benefits Scheme, Accessed July 2018.

SYNEO IS PROVEN TO REBALANCE THE GUT MICROBIOTA¹⁻⁵ BRINGING IT CLOSER TO THAT OF HEALTHY BREASTFED INFANTS⁴



Exploratory and safety outcomes show



Infections

eHF with synbiotics
scGOS/lcFOS/B.breve M-16V

AAF with synbiotics
scFOS/lcFOS/B.breve M-16V

- Fewer experienced infections and lower % of infants requiring antibiotics¹
- Fewer ear infection and use of anti-infectives²
- Fewer infections and hospitalisations³



Gastrointestinal

- Fewer infants with constipation and dry stools⁵

- Improved stool consistency and stool colour^{1,2} closer to that of healthy breastfed infants
- Reduced need for medication for functional GI disorders²



Skin

- Effective resolution of skin symptoms in a subgroup of infants with IgE-mediated CMPA⁵

- Lower use of dermatological medication⁷



Asthma

- Lower prevalence of asthma-like symptoms and asthma medication at 1 year follow up⁵

NEOCATE® PBS ITEM NUMBERS⁹

1ST LINE	Neocate® SYNEO™	Neocate® GOLD	Neocate® LCP	Neocate® Junior (Unflavoured)	Neocate® Junior (Vanilla)

For infants/ children up to 24 months

Severe cows' milk protein enteropathy with failure to thrive					
Initial Treatment	11331J	5466Q	2246F	11161K	1180D
Continuing Treatment	11340W*	5467R*	2560R*	11183N*	1192R*
Cows' Milk Anaphalaxis					
Initial Treatment & Continuing Treatment	11340W*	5467R*	2560R*	11183N*	1192R*

For infants/ children up to 18 years

Eosinophilic Oesophagitis					
2ND LINE	11343B#	1545H#	-	11161K* 11183N* (Cont.)	1521C*

2ND LINE	Neocate® SYNEO™	Neocate® GOLD	Neocate® LCP	Neocate® Junior (Unflavoured)	Neocate® Junior (Vanilla)
----------------------------	-----------------	---------------	--------------	-------------------------------	---------------------------

For infants/ children up to 24 months

Cows' milk protein enteropathy with combined intolerance to soy protein and protein hydrolysate formulae					
Initial Treatment	11331J	5466Q	2246F	11161K	1180D
Continuing Treatment	11340W*	5467R*	2560R*	11183N*	1192R*
Proven combined IgE-mediated allergy to cows' milk protein and soy protein					
Initial Treatment	11331J	5466Q	2246F	11161K	1180D
Continuing Treatment	11340W*	5467R*	2560R*	11183N*	1192R*

In children over 24 months

Combined intolerance to cows' milk protein, soy protein and protein hydrolysate formulae					
Initial Treatment	11331J	5466Q	2246F	11161K	1180D
Continuing Treatment	11340W*	5467R*	2560R*	11183N*	1192R*

Other

Severe intestinal malabsorption including short bowel syndrome					
Initial Treatment & Continuing Treatment	11340W*	5467R*	2560R*	11183N*	1192R*

To access more information on the prescription criteria for the above products go to www.pbs.gov.au/pbs/home

* Authorities for increased maximum quantities, up to a maximum of 20 may be authorised.
Authorities for increased maximum quantities, up to a maximum of 52 may be authorised. Patient must be 18 years of age or less.
IMPORTANT NOTICE: This is a prescription guide for Nutricia formula choices only. Not to be used as a diagnostic or medical algorithm. For detailed guidelines on the management of cows' milk protein allergy, please refer to Kemp et al, MJA, 2008; 188(2):109-112.