

NHS Frimley Paediatric Formulary

Specialised Infant Milks

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Contact Details

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Aim & Scope of Document

This formulary provides guidance on the prescribing of specialised infant milks for paediatrics within primary care in Frimley Health and Care ICS. This list is not exhaustive and does not include:

- Oral Nutritional Supplements: – please refer to NHS Frimley Paediatric Formulary: Oral Nutritional Supplements
- Enteral tube feeds: Please refer to the NHS Frimley Paediatric Formulary: Enteral feeds
- Specialist metabolic products, such as low protein products (e.g. for PKU) or products specific to chronic liver or renal disease. These should be prescribed following the guidance of the recommending dietitian or clinician.
- Gluten free foods for management of coeliac disease. These should be prescribed according to Medicines Optimisation Position Statement 006.

All prices are correct as of June 2023 MIMS data.

Dietitians should only use products listed on this formulary (as approved by NHS Frimley Medicines Board). If a Dietitian requests a product not included on the formulary for clinical reasons, they must inform the prescriber that it is non-formulary and give clear justification for its use.

This Formulary should be read alongside the NHS Frimley Infant Feeding Guidelines (2022)

Product Suitability

The products included in this formulary should be safe and suitable for most patients to use. Please refer to the BNF for Children, manufacturer's information, or Dietitian for advice if a patient is following a restricted diet for medical/religious purposes or has complex nutritional needs. Specific suitability issues are discussed below:

Allergens	Allergens are listed for 'green' first line infant milks as per the product manufacturers (accessed April 2023), but these are subject to change. <i>It is the clinician's responsibility to check each product for allergens before prescribing.</i>
Diabetes	Patients living with diabetes may need to increase blood glucose monitoring if ONS are commenced, changed, or stopped.
Dysphagia	Thickeners: Instant Carobel should be purchased OTC except when requested by a SLT or paediatric dietitian in special circumstances e.g. when a child has complex medical conditions and is at risk of choking or dysphagia.
Gluten	Products are gluten-free unless stated otherwise
Lactose	Manufacturers state a product is 'clinically lactose-free', 'lactose-free' or containing 'residual lactose' if the lactose content is below a certain threshold. This varies from <0.2g-1.0g per 100ml for different products
Sole/Main Source of Nutrition	Infant milks are nutritionally complete 0-6 months and as source of supplementary feeding from 6 months.
Vegetarian/Vegan/Halal/Kosher	Please check product suitability. Many products on this formulary obtain vitamin D from lanolin (found in live sheep's wool) which is not suitable for vegan diets, however, may be accepted in vegetarian diets. Some flavours use cochineal as a colouring.

Age/Weight range

Infant milks: Age range refers to ICB policy. Individual products may have a broader licence.

- Dietitians and GPs are advised to keep track of the age and weight of the infant/child, to ensure that products meet their nutritional requirements.

Advisory Committee on Borderline Substances (ACBS) Indications

- ACBS indications for each product were accessed from the NHS Electronic Drug Tariff Part XV, Borderline Substances (April 2023)
- **Products should only be used for the ACBS indications they are specified for.** Please follow dietitian recommendations for monthly volumes.

The ACBS advises as to the circumstances in which substances normally regarded as food may be regarded as drugs for the treatment of specified conditions. Prescribers should satisfy themselves that the products can be safely prescribed, that patients are adequately monitored and that, where necessary, expert supervision is available.

Traffic Light Coding:

Apart from some hypoallergenic infant milks, most products in this Formulary are Traffic Light coded 'Amber' and therefore, should only be started on the advice of a paediatric dietitian / consultant and not initiated in primary care. Prescriptions for products should be endorsed 'ACBS'.

Green: Can be initiated by any prescriber when ACBS guidelines for prescription of borderline substances are met.

Amber: Should only be prescribed on the recommendation of a Paediatric Dietitian or Paediatrician when ACBS guidelines for prescription of borderline substances are met – refer to their advice for quantity and duration of prescription.

Blue: Purchase OTC

NON-Formulary items:

The following are non-formulary and should be purchased OTC:

- **Anti-Reflux infant milks:** SMA Anti-reflux, Aptamil Anti-Reflux, Cow&Gate Anti-Reflux, HiPP Anti-Reflux.
- **Lactose Free infant milks:** Aptamil LF, SMA LF, SMA Wysoy.
- **Thickeners:** Instant Carobel should be purchased OTC except when requested by a SLT or paediatric dietitian in special circumstances e.g. when a child has complex medical conditions and is at risk of choking or dysphagia.

References

1. Part XV – Borderline Substances, NHS Electronic Drug Tariff [accessed 03/04/2023]
2. MIMS for current prices [accessed 19/06/2023]
3. Nutritional analysis sourced from manufacturer data April 2023

Cow's Milk Protein Allergy (CMPA) Extensively Hydrolysed Formula (EHF) Frimley Formulary Traffic Light Coding: GREEN

Nutritionally complete aged 0-6 months. For supplementary feeding from 6 months. Nutrition shown per 100ml reconstituted. Cost per Tin.

** Age range refers to ICB policy. Individual products may have a broader licence. See NHS Frimley Infant Feeding Guidelines*

	Borderline Substance and available flavours	Age* /Weight Range	ACBS Indication and Additional Information	Presentation	Calories /100ml	Protein /100ml	Cost per TIN
Extensively Hydrolysed Formula (EHF) Use First	Aptamil Pepti 1 (Nutricia)	0-6 months	For the dietary management of established CMPA with/without proven secondary lactose intolerance. <i>Kosher. Contains fish oil. Contains lactose.</i>	400g tin	67	1.6	£9.86
				800g tin			£19.72
	Aptamil Pepti 2 (Nutricia)	6-12 months	For the dietary management of established CMPA in patients over 6 months of age. <i>Kosher. Contains fish oil. Contains lactose.</i>	400g tin	68	1.6	£9.86
SMA Althera (Nestle)	0-12 months	For the dietary management of CMPA/or multiple food protein allergies. <i>Halal, suitable for vegetarians. Contains lactose.</i>	800g tin	£19.72			
EHF: Due to preparation method, use Second and if First option not tolerated.	Aptamil Pepti Syneo (Nutricia)	0-12 months	For the dietary management of CMPA. Not suitable for use in premature infants or infants who are immunocompromised. Note – preparation instructions are different to those of routine formula. <i>Kosher. Contains fish oil. Contains lactose.</i>	400g tin	66	1.6	£9.86
	Nutramigen 1 with LGG (Mead Johnson)	0-6 months	For the dietary management of CMPA with/or without lactose intolerance. Note – preparation instructions are different to those of routine formula	800g tin			£19.72
	Nutramigen 2 with LGG (Mead Johnson)	6-12 months	<i>Contains soya oil.</i>	400g tin	68	1.91	£11.84
NA	Alimentum (Abbott)	0-12 months	<i>Currently unavailable due to precautionary recall by manufacturer.</i>	400g tin	68	1.7	£11.84
400g tin	68	1.86	NA				

Cow's Milk Protein Allergy (CMPA) EHF + MCT Frimley Formulary Traffic Light Coding: AMBER

Nutritionally complete aged 0-6 months. For supplementary feeding from 6 months. Nutrition shown per 100ml reconstituted.

EHF MCT enhanced	Aptamil Pepti-Junior (Nutricia)	From birth	Disaccharide and/or whole protein intolerance, or where amino acids and peptides are indicated in conjunction with MCT. <i>Extensively Hydrolysed Formula. Contains fish oil.</i>	450g tin	66	1.8	£16.92
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Cow's Milk Protein Allergy (CMPA) Amino Acid Formula (AAF) Frimley Formulary Traffic Light Coding: GREEN / AMBER

Nutritionally complete aged 0-6 months. For supplementary feeding from 6 months. All AAF are lactose free.

Nutrition shown per 100ml reconstituted. Cost per Tin.

** Age range refers to ICB policy. Individual products may have a broader licence.*

	Borderline Substance and available flavours	Age*/Weight Range	ACBS Indication and Additional Information	Presentation	Calories /100ml	Protein /100ml	Cost per TIN
Amino Acid Formula (AAF) First Line	Neocate LCP (Nutricia)	0-12 months	For the dietary management of CMPA, multiple food protein allergies and other conditions where an elemental diet is recommended. <i>Halal, Kosher, Vegetarian.</i>	400g tin	67	1.8	£22.98
	Nutramigen Puramino (Mead Johnson)	0-12 months	For the dietary management of severe CMPA and multiple food intolerance. Suitable for other indications requiring an elemental diet. <i>Halal, Kosher. Contains soya.</i>	400g tin	68	1.89	£22.98
	SMA Alfamino (Nestle)	0-12 months	For the dietary management of CMPA and/or multiple food allergies and other conditions where an amino acid formula is recommended.	400g tin	70	1.9	£25.73
AAF Formula	Neocate Syneo (Nutricia)	0-12 months	For the dietary management of CMPA, multiple food protein allergies and other conditions requiring an amino acid-based food. <i>Not suitable for post-pyloric feeding, premature or immunocompromised infants.</i> <i>Halal, Kosher, Vegetarian.</i>	400g tin	68.2	1.9	£24.82
Other amino acid-based specialised formula	Neocate Spoon (Nutricia) <i>unflavoured</i>	6+ months as supplement only	For the dietary management of CMPA, multiple food protein allergies and other conditions requiring an amino acid-based food. Makes spoonable product; not suitable for tube or bottle feeding. <i>Halal, Kosher, Vegetarian.</i>	15 x 37g sachets	175 per 37g serving	3.0 per 37g serving	£49.50 per 15 sachets
	Neocate Junior (Nutricia) <i>strawberry, vanilla, unflavoured</i>	1+ years	For the dietary management of proven whole protein allergy, short bowel syndrome, intractable malabsorption, and other gastrointestinal disorders where an amino acid diet is recommended. <i>Halal, Kosher, Vegetarian.</i>	400g tin	100	2.8	£33.16

Pre-term or Intrauterine Growth Restriction baby post-discharge from hospital Frimley Formulary Traffic Light Coding: **AMBER**

Nutritionally complete aged 0-6 months. Nutrition shown per 100ml reconstituted. Cost per Tin.

¹*Do not prescribe LIQUID formulation except in rare instances where there is a clinical need i.e. an immunocompromised infant.*

	Borderline Substance and available flavours	Age/Weight Range	ACBS Indication and Additional Information	Presentation	Calories /100ml	Protein /100ml	Cost per TIN
POWDER only¹	Cow & Gate Nutriprem 2 Powder <i>(Nutricia) unflavoured</i>	Birth to 6 months corrected age	Suitable for catch-up growth in pre-term infants (ie less than 35 weeks at birth) and small for gestational age infants. <i>Halal, Kosher. Contains milk, lactose, egg, fish oil, soya</i>	800g tin	72	2	£12.20
	SMA Gold Prem 2 Powder <i>(Nestle) unflavoured</i>	Birth to 6 months corrected age	For the dietary management of preterm and low birthweight infants. <i>Contains milk, lactose, fish oil</i>	800g tin	73	2	£12.28

Faltering Growth: Energy dense formulas from birth Frimley Formulary Traffic Light Coding: **AMBER**

Nutritionally complete aged 0-6 months. For supplementary feeding from 6 months. Nutrition shown per serving. Cost per serving.

Ensure regular weight/length monitoring. Encourage food first and fortification if weaned and over 6 months.

Energy dense formula			Use FIRST Disease-related malnutrition, malabsorption, and growth failure in infancy. <i>Contains milk, lactose, fish oil</i>	Presentation	Calories /100ml	Protein /100ml	Cost /serving
		SMA High Energy <i>(Nestle) unflavoured</i>	0 – 18 months	125ml bottle	100	2.6	£1.64
		Infatrini <i>(Nutricia) unflavoured</i>	0 – 18 months or <9kg	200ml bottle			£2.62
				500ml bottle			£7.99
		Similac High Energy <i>(Abbott) unflavoured</i>	Birth to 8kg	200ml bottle	100	2.6	£3.05
EHF peptide		Infatrini Peptisorb <i>(Nutricia) unflavoured</i>	0 - 18 months or <9kg	200ml bottle	100	2.6	£4.48

Purchase Over The Counter products (OTC) – not available on prescription.

See NHS Frimley Infant Feeding Guidelines

Products widely available in supermarkets / pharmacies

	OTC product	Age / Weight Range	Additional information
CMPA: Plant-based milk alternatives			
Plant-based milk alternatives	Alpro Growing Up Soya Drink (<i>Alpro</i>)	1+ years	If tolerates soya. May be used in foods from 6+ months but not as main milk drink until 1+ year.
	Alpro Growing Up Oat Drink (<i>Alpro</i>) Oatly Oat Drink Whole, Oatly Oat Drink Barista Edition (<i>Oatly</i>)		If does not tolerate soya. May be used in foods from 6+ months but not as main milk drink until 1+ year. These drink options can be used in the same way as each other nutritionally, choice depends on preference. Due to nutritional composition, other dairy milks alternatives are not suitable as main milk drink until over 2 years.
Gastro-oesophageal reflux disease (GORD)			
Pre-thickened and Thickening formula	SMA Anti-reflux	0- 12 months	For the treatment of Gastro-oesophageal reflux disease (GORD) Do not use in conjunction with separate thickeners, or medication such as Infant Gaviscon, antacids or PPI
	Aptamil Antireflux Cow & Gate Anti reflux HiPP Anti-reflux	0- 12 months	
Secondary Lactose Intolerance: <i>use up to 8 weeks at a time</i>			
Lactose Free milks	Aptamil LF SMA LF	0- 12 months	If aged 1+ use supermarket lactose free milk e.g. Alpro Soya Growing Up Drink, Arla Lactofree Whole Wysoy only if over 6 months old and no allergy to soya
	SMA Wysoy	6+ months	