

CALOGEN

Trade Name	Calogen® (Nutricia)
Class	Liquid fat emulsion energy supplement of long chain fatty acids
Mechanism of Action	Long chain triglyceride and provides additional calories for infants with faltering growth.
Indications	Preterm or term infants with faltering growth Infants with congenital heart disease who are fluid restricted Dumping syndrome post Nissen Fundoplication
Contraindications	If patient is Nil By Mouth Not suitable for use as a sole source of nutrition Not for parenteral use Chylothorax Malabsorption of long chain triglycerides Cholestatic liver disease TPN induced cholestasis Biliary atresia Short bowel syndrome Long chain fatty acid oxidation disorders Steatorrhoea
Supplied As	Calogen liquid 0.5g/mL 200 mL bottles
Dilution	N/A
Dosage	Start with 1g/kg/day = 2mL/kg of Calogen 1mL of calogen will provide 0.5g calogen. Introduce gradually and increase in conjunction with advice from the Dietitian. Maximum dose usually 3g/kg/day but may be increased on the advice of the dietitian.
Interval	8 hourly or as directed by dietitian. Given with every feed if at risk of dumping syndrome.
Administration	Give via medication port of NGT while feed running or via medicine teat/syringe if breast feeding or bottle feeding. Note: Please don't add to bottle feed. If bottle feed isn't finished dose will be incomplete.
Compatible With	EBM/PDM, premature formula, standard infant formula.
Incompatible With	Monogen,
Monitoring	Feed tolerance, abdominal distension, stool output.
Stability	Manufacture's expiry date. Discard 14 days after opening

Storage	Store below 25°C in a dry place. Shelf life 12 months. Once opened store in refrigerator and use within 14 days.
Adverse Reactions	Feed intolerance, diarrhoea, abdominal distension
Metabolism	Long chain triglycerides (LCT) require bile flow from the liver to emulsify fat prior to absorption into the intestinal lumen. LCT are hydrolysed in the intestinal lumen as long chain free fatty acids (12 or more carbon atoms) and are adsorbed via the mucosal cells and re-esterified to triglycerides and pass into the lymph as chylomicrons. Blend of canola, sunflower and high oleic sunflower oil. 1 gram of Calogen provides 9kcal.
Comments	Calogen is a fat emulsion which consists of long chain triglycerides and is made from a blend of canola and sunflower oils.
References	<ol style="list-style-type: none"> 1. Nutricia product compendium 2010 2. Clinical Paediatrics Dietetics, Third edition, Shaw and Lawson 3. Blackwell publishing Ltd, 2007
Updated By	Helen Little , A Lynn July 2011 A Lynn, B Robertshawe July 2012 (re-order profile) A Lynn, M Wallenstein, N Clark (Dietitian), B Robertshawe Nov 2020 A Lynn, B Robertshawe, N Clark (Dietitian) June 2023