

ROYAL HOSPITAL FOR WOMEN	APPROVED: NCC QUALITY COMMITTEE
DEPARTMENT MANUAL: DIVISION OF NEWBORN SERVICES	DATE: 12 th May 2014

**NEWBORN USE ONLY
GIVEN ON DOCTORS ORDER ONLY**

LIPID EMULSION – Clinoleic 20%

USE To maximise caloric intake of neonates.

PRESENTATION Clinoleic 20% mixed with Vitalipid(fat-soluble vitamins) and soluvit-N (water-soluble vitamins) is supplied by Baxter in 50ml syringe or 150ml bag

Clinoleic 20% - 50 mL syringe contains:

Clinoleic 20%	36 mL
Vitalipid 10%	11.2 mL
Soluvit reconstituted in WFI	2.8 mL
Total	50 mL

Clinoleic 20% - 150 mL bag contains:

Clinoleic 20%	108 mL
Vitalipid 10%	33.6 mL
Soluvit reconstituted in WFI	8.4 mL
Total	150 mL

DOSE Start the lipids at 1 g/kg/day and increase by 1 g each day to 3 g/kg/day depending on plasma triglyceride monitoring

	Dose	Volume to be prescribed
Day 1	1g/kg/day	6mls/kg/day
Day 2	2g/kg/day	12mls/kg/day
Day 3 and onwards	3g/kg/day	18mls/kg/day included in total fluids

ROUTE IV infusion

ADMINISTRATION Via central and peripheral IV access
Lipids and delivery tubing should be changed every 48 hours.

STORAGE Refrigerate before use. Discard unused portion.

MONITORING Plasma Triglycerides - Before each increase and 24 hrs after 3 g/kg/day. Weekly thereafter in some cases.

COMPATIBLE DRUGS Check compatibility carefully under each individual drugs in protocol book.

REFERENCE

Parenteral Nutrition Guideline, Royal Hospital for Women, Newborn Care Centre.
http://www.seslhd.health.nsw.gov.au/rhw/Newborn_Care/Guidelines/Medical/Parenteral%20Nutrition%20in%20the%20NICU.pdf