

ROYAL HOSPITAL FOR WOMEN	APPROVED: NCC QUALITY COMMITTEE
DEPARTMENT MANUAL: DIVISION OF NEWBORN SERVICES	DATE: 6 th October 2014

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

LIPID EMULSION – SMOFLipid

ALERT SMOFLipid is not be used for infants on N3RO Trial

USE Lipid supplementation for infants

PRESENTATION SMOFLipid 45 mL Syringe – FK S045V

SMOFLipid 145 mL Bag – FK CPLV 1

Both supplied by Fresenius-Kabi.

SMOFLipid – 45 mL syringe contains:

SMOFLipid	32.5 mL
Vitalipid-N	10 mL
Solvit-N	2.5 mL
Total	45 mL

SMOFLipid – 145 mL Bag contains:

SMOFLipid	100 mL
Vitalipid-N	36.6 mL
Solvit-N	8.4 mL
Total	145 mL

DOSE 1 g/kg/day = 6 mL/kg/day
2 g/kg/day = 12 mL/kg/day
3 g/kg/day = 18 mL/kg/day

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.

SMOFLipid 45 mL Syringe Composition

The final composition of the SMOFLipid Syringe (FK S045V) is outlined in the table below.

		FK S045V
SMOFLipid	32.5 mL	6.5 g
Lipid from vitalipid (1g /10mL		1.0 g
Total Lipid		7.5 g

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Water soluble vitamins (Soluvit-N) corresponding to:	2.5 mL	
Thiamine nitrate		0.775 mg
Sodium riboflavin phosphate (Vitamin B2)		1.225 mg (0.9 mg)
Nicotinamide		10 mg
Pyridoxine hydrochloride (Vitamin B6)		1.225 mg (1 mg)
Pantothenic acid		3.75 mg
Sodium ascorbate (vitamin C)		28.25 mg (25mg)
Biotin		15 mcg
Folic acid		100 mcg
Cyanocobalamin		1.25 mcg
Glycine		75 mg
Edetate sodium		125 mcg
Fat Soluble Vitamins (Vitalipid – N) corresponding to:	10 mL	
Vitamin A (as retinyl palmitate)		690 mcg
Vitamin D2		10 mcg
Vitamin E		6.4 mg
Vitamin K1		200 mcg
Total Volume		45 mL

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