

NEONATAL

FERROUS SULFATE

This document should be read in conjunction with this **DISCLAIMER**

Unrestricted: Any prescriber may initiate treatment

Presentation	Oral Liquid: 150mg/5mL ferrous sulfate				
litesemation	Equivalent to 6mg/mL of elemental iron				
Classification	Iron Supplement				
Indication	Infants born at less than 35 weeks gestation OR with birthweight less than 2500 grams AND who are predominantly fed unfortified breastmilk OR term infant formula				
	 Prophylaxis for Anaemia of prematurity Iron supplement in low birth weight infants with reduced body iron stores 				
	Please Note: PreNan human milk fortifier contains iron;				
	Infants fed breast milk fortified with PreNan human milk fortifier at 150-160 mL/kg/d and infants on preterm formula receive approximately 2.8 mg iron/kg/d and may not need further iron supplementation.				
	Supplementation to start at <u>4 weeks of age</u> and cease at <u>6-12 months</u> of age depending on dietary intake of iron.				
Contraindicati on	Thalassaemia, haemochromatosis and anaemia not due to iron deficiency				
Precaution	Risk of iron induced haemolysis in preterm infants with Vitamin E deficiency is greater in the first 6 weeks of life.				
Dose	Caution: May reduce therapeutic effect of Thyroxine. Separate dose administration times.				
	Prophylaxis Oral: 0.25mL/kg per dose every 12 hours (3mg/kg/day)				

	Increase in dose : based on Hb and serum ferritin			
	(Increase only If the ferritin concentration is <40 microgram/L)			
	Oral: 0.5mL/kg per dose every 12 hours (6mg/kg/day)			
Monitoring	Haemoglobin, serum ferritin			
	If the ferritin concentration is >300 microgram/L, typically a result of multiple blood transfusions, iron supplements should be delayed			
Guidelines & Resources	KEMH Clinical Guideline: Neonatal: Vitamin and Mineral Supplementation			
	WNHS Policy: Neonatal: <u>Anaemia and Bleeding Disorders</u>			
Administration	Oral: Preferably given prior to a feed, otherwise administer with feeds.			
Adverse Reactions	Common: nausea, GI irritation, constipation, black discolouration of faeces			
Interactions	Vitamin E, calcium carbonate, levothyroxine, quinolone antibiotics (oral)			
Storage	Store at room temperature, below 25°C			
Notes	Contains 70% Sorbitol solution 100mg/mL			
	Ferro –Liquid® Oral solution does not contain alcohol			
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Standards Applicable:	NSQHS Standards: 1 ONE Of the Control of the Cont			

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