



NEONATAL



CALCITRIOL

This document should be read in conjunction with this [DISCLAIMER](#)

Restricted: Requires Neonatologist review within 24 hours of initiation

Presentation	Oral Solution: 1 microgram/mL
Classification	Activated Vitamin D3 – increases calcium and phosphorous absorption. Activates the parathyroid hormone to increase bone resorption, maintaining calcium and phosphorous levels
Indication	<ul style="list-style-type: none"> • Hypocalcaemia • Hypoparathyroidism • Neonatal rickets
Dose	<p><u>Oral</u> Initially 0.25microgram to 1microgram ONCE a day</p> <p>Increase by 0.25microgram every 4 weeks according to Calcium levels Adjust dose to maintain serum calcium in the lower range</p>
Monitoring	<p>Serum alkaline phosphatase, calcium, phosphorus, creatinine Urinary calcium</p>
Dose Adjustment	Adjust dose according to calcium levels
Administration	Can be administered at any time with regards to feeds.
Adverse Reactions	<p>Most adverse effects are due to effects of hypercalcaemia. Symptoms of hypercalcaemia include nausea, vomiting, constipation, anorexia, apathy, thirst and polyuria.</p>
Storage	<p>Protect solution from light. Store below 25°C</p>
Notes	Special Access Scheme Medication – contact Pharmacy

References	<p>Takemoto CK, Hodding JH, Kraus DM. Pediatric & neonatal dosage handbook with international trade names index : a universal resource for clinicians treating pediatric and neonatal patients. 24th ed. Hudson (Ohio): Lexicomp; 2019. 2,401.</p> <p>Truven Health Analytics. Calcitriol. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [cited 2019 Apr 3]. Available from: https://neofax.micromedexsolutions.com/</p> <p>Australian Medicines Handbook. Calcitriol. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2019 [cited 2019 April 3]. Available from: https://amhonline.amh.net.au/</p>
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