

Alert	1 microgram colecalciferol provides 40 IU of vitamin D activity.
Indication	Prevention and treatment of vitamin D deficiency Preterm infant is deficient in Vitamin D secondary to maternal Vitamin D deficiency, lower fat stores and prolonged hospitalisation that prevents cutaneous synthesis as a source of Vitamin D.
Action	Vitamin D enhances intestinal absorption of calcium and phosphorus. Adequate vitamin D status maintains plasma levels of calcium and phosphate that are necessary for normal bone mineralisation and neuromuscular function.
Drug Type	Fat soluble vitamin
Trade Name	Ostevit-D Liquid Oral drops; Ostelin Vitamin D Liquid Kids
Presentation	1000 units/0.2 mL (equivalent to 5000 units/mL) "OsteVit-D Liquid Oral drops" 200 units/0.5 mL (equivalent to 400 units/mL) "Ostelin Vitamin D Liquid Kids"
Dosage/Interval	Supplementation to meet daily requirements ^{1,10,11} Parenteral: 40–160 IU/day Enteral: 800–1000 IU/day (Consider vitamin D intake infant is already receiving from feeds and/or Penta-vite (400 IU per 0.45 mL) Treatment of vitamin D deficiency (Rickets) 1000 IU/day for 2–3 months (review with Ca/PO ₄ /ALP/25-OH Vitamin D monthly)
Route	PO
Maximum Daily Dose	1000 IU/day
Preparation/Dilution	
Administration	PO
Monitoring	25-hydroxy vitamin D, calcium and phosphate, parathyroid hormone, alkaline phosphatase
Contraindications	Hypercalcaemia, vitamin D toxicity
Precautions	Use with caution in renal impairment, renal calculi or elevated serum phosphate. Consider total daily vitamin D dose when concurrent use of Human Milk Fortifier, formula, Penta-vite or IV lipids. ESPGHAN guidelines recommend a total of 800 to 1000 units/day (not per kg).
Drug Interactions	
Adverse Reactions	Vomiting, paraesthesiae and hypercalcaemia Nephrocalcinosis (generally not seen until concentrations of 625–750 nmol/L are reached).
Compatibility	Not applicable.
Incompatibility	Not applicable.
Stability	
Storage	Store below 25°C. Protect from light. 1000u nits/0.2 mL strength: Stable until expiry date on bottle. 200 units/0.5 mL strength: Refrigerate after opening and discard 40 days after opening to reduce risk of microbial contamination. Write date of opening on packaging.
Special Comments	
Evidence summary	As per NMF Consensus Group. Refer to reference manual or electronic version.
References	As per NMF Consensus Group. Refer to reference manual or electronic version.

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