

Brand Name: D-cal Drops

Composition: vitamin D3 drops

Dosage Form: drops

Category: Pediatric Vitamin Supplement / Vitamin D3 Supplement

Packaging Type: Pet Bottle calibrated dropper

Packaging: 30 ml

Brief Product Introduction:

D-CAL DROPS is a pediatric vitamin D3 supplement manufactured by **AstraEureka Pharmaceutical**, a trusted **Manufacturer of Cholecalciferol drops composition**. Each ml of D-CAL DROPS delivers **400 IU of Vitamin D3**, essential for healthy bone development and calcium absorption in infants and young children. It also provides energy (2.0 kcal) and carbohydrate (0.5 gm) for additional nutritional support. D-CAL DROPS plays a critical role in preventing rickets, supporting immune health, and enhancing skeletal growth. Formulated as an easy-to-administer oral drop with accurate dosing, it ensures compliance in infants and toddlers. Recommended during infancy, growth spurts, or in cases of limited sun exposure, D-CAL DROPS is ideal for daily nutritional support. Its well-tolerated formulation offers safety, efficacy, and convenience for parents looking to ensure proper bone health and vitamin D levels in their child.

Composition:

Each ml contains:

Energy.....2.0 kcal

Carbohydrate.....0.5 gm

Cholecalciferol (Vitamin D3).....400 IU

Excipients.....Q.s..

Key Benefits:

1. Supports bone and teeth development in infants and children
2. Enhances calcium and phosphorus absorption
3. Helps prevent rickets and vitamin D deficiency
4. Aids in immune function and neuromuscular health
5. Easy-to-administer liquid form for infants and toddlers

Indications:

1. Vitamin D deficiency in infants and children
2. Rickets prevention and treatment
3. Support during rapid growth phases
4. Nutritional supplementation in breastfed infants

5. Children with limited sun exposure

Directions for Use:

1. Administer with the provided dropper
2. Shake well before use
3. Use as per pediatrician's advice

Dosage and Administration:

- **Infants and children:** Typically 0.5 ml to 1 ml daily, or as prescribed by a physician
- Do not exceed the recommended dose
- Suitable for daily use in growing children

Safety Information:

1. Use under pediatric supervision
2. Do not exceed prescribed dose to avoid hypervitaminosis D
3. Monitor calcium levels in long-term use if advised

Mechanism of Action:

- **Cholecalciferol (Vitamin D3)** is converted in the liver to calcidiol and then in the kidney to calcitriol, the active form.
- It increases intestinal absorption of calcium and phosphate, which are vital for bone formation.
- By enhancing mineralization of bone matrix, D3 ensures strong bone growth and development in pediatric patients.

Contraindications:

1. Hypersensitivity to Vitamin D3
2. Hypercalcemia or hypervitaminosis D
3. Severe renal impairment

Side Effects:

1. Rare and mild if used as prescribed
2. Excessive use may cause nausea, vomiting, or hypercalcemia
3. Allergic reactions are extremely rare

Important Notice:

- Should not be used as a substitute for a balanced diet
- Store away from direct sunlight and heat
- Use calibrated dropper for accurate dosage

Storage Condition:

1. Store below 25°C in a cool, dry place
2. Do not freeze
3. Keep out of reach of children

Packing Information:

- Packaged in 30 ml pet bottle with calibrated dropper
- Tamper-evident seal for safety and hygiene

