

Brand Name: D-CAL 60K Nano short

Composition: Cholecalciferol IP 60,000 IU oral solution

Dosage Form: Oral Solution

Category: Nutritional Supplement / Vitamin D3 Supplement

Packaging Type: Glass bottles

Packaging: 4 x 5 ml bottles

Brief product Introduction:

D-CAL 60K Oral Solution, manufactured by **AstraEureka Pharmaceutical**, is a high-dose Vitamin D3 formulation available in a pleasant-flavoured liquid format. It contains **Cholecalciferol 60,000 IU** per 5 ml, ideal for patients who prefer liquid over capsules. This solution is effective in treating Vitamin D deficiency, supporting bone health, and improving calcium metabolism in adults and children.

Composition:

Each 5 ml contains:

Cholecalciferol IP.....60,000 IU

In a flavoured sorbitol base.....Q.S.

Key Ingredients:

1. **Cholecalciferol (Vitamin D3) 60,000 IU** – A bioavailable form of Vitamin D
2. **Sorbitol Base** – Provides a palatable, sugar-free medium for safe consumption

Key Benefits:

1. Effectively replenishes Vitamin D levels
2. Supports healthy bones, teeth, and immune function
3. Enhances calcium absorption and maintains normal calcium-phosphate balance
4. Easy-to-administer oral solution, suitable for all age groups
5. Sugar-free, pleasant flavour for better compliance

Indications:

1. Vitamin D deficiency and insufficiency
2. Osteomalacia and rickets
3. Osteoporosis support therapy
4. Hypocalcemia-related conditions
5. General nutritional support in elderly, postmenopausal women, and individuals with limited sun exposure

Directions for Use:

1. Shake well before use
2. Administer orally using a measuring spoon or dropper
3. Preferably take after meals for better absorption

Dosage and Administration:

1. **Adults:** One 5 ml dose once a week for 6–8 weeks or as directed by a physician
2. **Maintenance Dose:** One 5 ml dose monthly or as prescribed
3. **Children:** As per pediatrician's advice based on age and deficiency level

Safety Information:

1. Use only under medical supervision
2. Do not exceed recommended dosage
3. Monitor serum calcium and Vitamin D levels during prolonged use
4. Avoid in patients with known Vitamin D toxicity or hypercalcemia
5. Keep out of reach of children

Mechanism of Action:

- **Cholecalciferol (Vitamin D3)** is converted in the liver to **25-hydroxycholecalciferol**, and then in the kidney to the active form **1,25-dihydroxycholecalciferol (calcitriol)**.
- Calcitriol enhances intestinal absorption of calcium and phosphate, reduces parathyroid hormone levels, and promotes bone mineralization, ensuring proper bone health and systemic calcium regulation.

Contraindications:

1. Hypersensitivity to cholecalciferol or formulation components
2. Hypervitaminosis D
3. Hypercalcemia or severe renal impairment
4. Disorders associated with calcium metabolism such as sarcoidosis

Side Effects:

1. Rare at recommended doses
2. In case of overdose: nausea, vomiting, constipation, fatigue, or hypercalcemia
3. Allergic reactions (rash, itching) are rare

Important Notice:

- Therapeutic dosage product, not for routine daily supplementation
- To be taken strictly under medical guidance
- Not a substitute for a balanced diet or regular sun exposure

Storage Condition:

1. Store below 25°C
2. Keep away from direct sunlight and moisture
3. Do not refrigerate or freeze

Packing Information:

- Glass BOTTLES
- 5 ml per bottle
- 4 bottles per Try pack (4 x 5 ml)

