

Brand Name: D-CAL 60K

Composition: vitamin D3 soft gelatine capsule

Dosage Form: Soft gelatine Capsules

Category: Nutritional Supplement / Vitamin D3 Supplement

Packaging Type: blister

Packaging: 10 x 1 x 4 Mono Pack

Brief product Introduction:

D-CAL 60K, manufactured by **AstraEureka Pharmaceutical**, is a high-strength Vitamin D3 supplement designed to correct and prevent Vitamin D deficiency. Each soft gelatin capsule delivers 60,000 IU of **Cholecalciferol (Vitamin D3)**, essential for maintaining calcium balance, bone strength, and immune function. It is ideal for managing conditions like osteoporosis, rickets, and general deficiency states.

Composition:

Each soft gelatin capsule contains:

Cholecalciferol IP.....60,000 IU

Excipients.....Q.S.

Key Ingredients:

1. **Cholecalciferol (Vitamin D3) 60,000 IU** – A fat-soluble vitamin that aids in calcium absorption and bone mineralization

Key Benefits:

1. Corrects Vitamin D deficiency effectively
2. Supports healthy bones and teeth by enhancing calcium absorption
3. Aids in the prevention and management of osteoporosis and osteomalacia
4. Boosts immunity and muscle function
5. Helps maintain normal levels of calcium and phosphorus in the blood

Indications:

1. Vitamin D3 deficiency and insufficiency
2. Osteoporosis and osteomalacia
3. Rickets in children
4. Supportive therapy in calcium metabolism disorders
5. General nutritional supplementation in elderly or individuals with limited sun exposure

Directions for Use:

1. Take the capsule orally with water
2. Best taken after a meal for better absorption
3. Swallow whole; do not chew or crush

Dosage and Administration:

1. **Adults:** One capsule once a week for 6 to 8 weeks or as directed by the physician
2. **Maintenance dose:** One capsule monthly or as advised
3. **Not intended for daily use unless specifically prescribed**

Safety Information:

1. Use under medical supervision, especially in patients with renal or parathyroid disorders
2. Avoid overdose; prolonged excessive intake may lead to toxicity
3. Check serum calcium and Vitamin D levels periodically during therapy
4. Inform your doctor about any other supplements or medications being taken
5. Not recommended during pregnancy unless prescribed

Mechanism of Action:

- **Cholecalciferol (Vitamin D3)** is a precursor of the active form of Vitamin D.
- It is converted in the liver to **25-hydroxycholecalciferol**, and then in the kidney to its active form **1,25-dihydroxycholecalciferol (calcitriol)**.
- Calcitriol increases intestinal absorption of calcium and phosphate, promotes bone mineralization, and reduces parathyroid hormone levels, thus maintaining proper bone health and calcium-phosphate balance.

Contraindications:

1. Hypersensitivity to cholecalciferol or any capsule ingredient
2. Hypercalcemia or hypervitaminosis D
3. Severe renal impairment or kidney stones
4. Sarcoidosis or other granulomatous disorders

Side Effects:

1. Nausea, vomiting, or constipation (in case of overdose)
2. Hypercalcemia-related symptoms: weakness, fatigue, increased thirst or urination
3. Rare: allergic reactions such as rash or itching

Important Notice:

- Prescription-only product
- Do not exceed the recommended dose
- Use only under healthcare professional guidance
- Keep out of reach of children

Storage Condition:

1. Store below 25°C in a dry, cool place
2. Protect from light and moisture
3. Do not freeze

Packing Information:

blister packing

- 4 soft gelatin capsules per strip
- 10 strips per box (10 x 1 x 4 Mono packaging)

