

# Milk-O-Fast

## Vitamin D3 (Cholecalciferol) 30,00,000 I.U Veterinary Feed Supplement

### **Description:**

Vitamin D3, also known as Cholecalciferol, is a fat-soluble vitamin essential for calcium and phosphorus metabolism in cattle. It aids in bone formation, growth, and supports immune functions. This high-potency formulation (30,00,000 International Units) is designed to improve calcium absorption, enhancing milk production and overall health in cattle.

### **Specification:**

- Active Ingredient: Vitamin D3 (Cholecalciferol) 30,00,000 I.U per pack
- Pack Size: 50 grams
- Product Form: Powder/Supplement (feed additive)
- Purity: As per pharmacopeia standards
- Compliance: Conforms to veterinary pharmacological guidelines

### **Category:**

Cattle Feed Supplement (Enhanced Milk Production)

### **Composition:**

- Vitamin D3 (Cholecalciferol): 30,00,000 I.U
- Excipients: Inert carriers and stabilizers (non-toxic and safe for animal consumption)

### **Route of Administration:**

Oral (Mix with feed or administer directly as per veterinary advice)

### **Dosage:**

Administer as per veterinary prescription; typically mixed with feed in recommended quantities to meet cattle nutritional needs. Dosage depends on animal weight, health status, and production goals.

### **Indication:**

- To prevent and treat Vitamin D3 deficiency in cattle
- Enhance calcium absorption and bone health
- Improve milk yield and quality
- Support immune function and general well-being

### **Usage:**

Mix the specified dose uniformly into the cattle's daily feed ration. Use regularly as advised for optimal results.

### **Advantages:**

- Boosts milk production and quality
- Supports skeletal development and health
- Enhances immunity and reduces disease risk
- Safe and effective for long-term use as a feed supplement

### **Adverse Effects:**

- Overdose may cause hypercalcemia leading to kidney damage or calcification
- Follow dosage strictly; consult veterinarian if signs of toxicity appear

### **Withdrawal Period:**

**Not applicable as Vitamin D3 is a nutrient supplement;** however, consult veterinarian for specific withdrawal recommendations if used in combination with other medications.

### **Precautions:**

- Store in a cool, dry place away from direct sunlight
- Keep out of reach of children and unauthorized personnel
- Use only as per veterinary advice
- Avoid contamination of the product during handling

### **Storage & Handling:**

Maintain in original sealed packaging. Store at temperatures below 30°C (86°F). Protect from moisture and light to preserve potency.

### **HS & HSN Codes:**

- Harmonized System (HS) Code: 2936.29 (Other Vitamin D and its derivatives)
- HSN Code: 29362990 (For Vitamin D3 formulations)

### **Special Instructions:**

- Do not exceed recommended dosage
- Use consistently for best results in production animals
- Monitor animal health regularly during supplementation

### **Details of Human and Veterinary Application:**

- Human Application: Vitamin D3 is used in humans for bone health, immune support, and treatment of deficiency but in much lower doses.
- Veterinary Application: High potency Vitamin D3 for livestock, especially cattle, to support metabolic and production health.

### **Frequently Asked Questions (FAQs):**

#### **Q1: What is Vitamin D3 (Cholecalciferol)?**

A1: Vitamin D3 (Cholecalciferol) is a fat-soluble vitamin vital for calcium metabolism and bone health in animals.

#### **Q2: Why is Vitamin D3 important for cattle?**

A2: It helps cattle absorb calcium effectively, which improves bone strength and milk production.

#### **Q3: How should I administer this supplement?**

A3: It should be mixed with the cattle's feed or administered orally as advised by a veterinarian.

#### **Q4: Is there a risk of overdose?**

A4: Yes, excessive Vitamin D3 can cause toxicity, so it's crucial to follow the prescribed dosage.

#### **Q5: Can this supplement be given to all cattle?**

A5: It is formulated for cattle, but always consult a veterinarian before use, especially for young, pregnant, or sick animals.

#### **Q6: What is the withdrawal period?**

A6: Typically, there is no withdrawal period for this supplement, but always follow veterinary guidance if used with other drugs.