



5mg/mL (200,000 I.U.)  
Oral/I.M. Injection

(CHOLECALCIFEROL)

Vitamin D<sub>3</sub> analogue

ڈی فوریو  
(کولی کیلسی فیرویل)  
انجکشن (زبانی/میںبائی انجکشن)  
۵ ملی گرام/میلی لیٹر (۲۰۰۰۰۰ آئی یو)

**DESCRIPTION:** Cholecalciferol is the naturally occurring form of Vitamin D, also called Vitamin D<sub>3</sub>. It is produced from 7-dehydrocholesterol, a sterol present in mammalian skin, by ultraviolet irradiation.

Calciferol is involved in bone fixation of calcium. It is indicated in prevention and treatment of Vitamin D deficiencies.

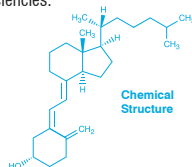
### COMPOSITION:

#### D4U Injection:

Each ml contains:

Cholecalciferol (Vitamin D<sub>3</sub>) B.P. ....5mg

Genix Specs.



### DOSEAGE AND ADMINISTRATION:

**Prevention:** Infants receiving Vitamin enriched milk: ½ Ampoule (i.e. 100,000 I.U.) every 6 months.

Nursed infants or infants not receiving Vitamin D enriched milk or young children upto 5-years of age: 1 Ampoule (i.e. 200,000 I.U.) every 6-months.

**Adolescents:** 1 Ampoule (i.e. 200,000 I.U.) every 6-months during winter.

**Pregnancy:** ½ Ampoule (i.e. 100,000 I.U.) from 6th or 7th month of pregnancy.

**Elderly:** ½ Ampoule (i.e. 100,000 I.U.) every 3-months. Digestive disorders, concomitant treatment with anti-epileptics, particular conditions not prescribed above: ½ or 1 Ampoule every 3 or 6 months.

**Vitamin D Deficiency:** 1 Ampoule (i.e. 200,000 I.U.), which can be renewed once 1 to 6 months later.

**Alternate dosing:** *Infants less than 1 year:* 8000 international units/week. *Children older than 1 year:* 800 international units/day.

**Medium Dose Regimen:** *Patients less than 5 years:* 12,000 international units/week for 12 weeks.

*Patient 5 years or older:* 50,000 international units/week for 12 weeks.

**High Dose Regimen:** *Patient less than 5 years:* 12,000 international units twice weekly for 12 weeks.

*Patient 5 years or older:* 50,000 international units twice weekly for 12 weeks.

**WARNING & PRECAUTIONS:** This drug must not be used in the following cases: Hypersensitivity to any of the ingredients mainly to Vitamin-D. Hypercalcemia (abnormally high blood calcium levels). Hypercalciuria (excessive urinary elimination of calcium). Calcium lithiasis (kidney stones).

**CONTRAINDICATIONS:** Vitamin D should not be given to patients with hypercalcemia or evidence of Vitamin-D toxicity. Use of Vitamin D in patients with known hypersensitivity to Vitamin D (or drugs of the same class) or any of the inactive ingredient is contraindicated.




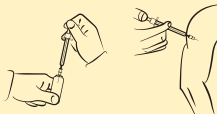

**Pregnancy and Lactation:** This medicinal product can be prescribed during pregnancy or lactation if necessary. However it is preferable to consult your doctor before using this drug.

**DRUG INTERACTIONS:** **Cholestyramine:** Cholestyramine has been reported to reduce intestinal absorption of fat soluble vitamins; as such it may impair intestinal absorption of any of Vitamin-D. **Thiazides:** Thiazides are known to induce hypercalcemia by the reduction of calcium excretion in urine. Some reports have shown that the concomitant administration of thiazides with Vitamin-D causes hypercalcemia. Therefore, precautions should be taken when co-administration is necessary. **Digitalis:** Vitamin D dosage must be determined with care in patients undergoing treatment with digitalis, as hypercalcemia in such patients may precipitate cardiac arrhythmias. **Ketoconazole:** Ketoconazole may inhibit both synthetic and catabolic enzymes of Vitamin D. Reductions in serum endogenous Vitamin D concentration have been observed following the administration of 300mg/day to 1200mg/day ketoconazole for a week to healthy men. **Corticosteroids:** A relationship of functional antagonism exists between Vitamin D analogues, which promote calcium absorption and corticosteroids, which

inhibit calcium absorption. **Phosphate-Binding Agents:** Since Vitamin D also has effect on phosphate transport in the intestine, kidneys and bones, the dosage of phosphate binding agents must be adjusted in accordance with the serum phosphate concentration. **Vitamin D:** The co-administration of any of the Vitamin D analogues should be avoided as this could create possible additive effects and hypercalcemia. **Calcium Supplements:** Uncontrolled intake of additional calcium-containing preparations should be avoided. **Magnesium:** Magnesium-containing preparations (e.g., antacids) may cause hypermagnesemia and should therefore not be taken during therapy with Vitamin D by patients on chronic renal dialysis.

**Overdosage:** In the event of an overdosage vitamin D3, following symptoms may occur: headache, fatigue, slimming, growth retardation, nausea, vomiting, excess of urines, intense thirst, arterial hypertension. In case of any symptoms inform your doctor immediately.

**UNDESIREABLE AND UNPLEASANT EFFECTS:** As with any medicine this product may produce unpleasant effects varying severity in some people. Consult your physician if any unwanted or unpleasant effect is observed.

| DIRECTION FOR USE <span>طریقہ استعمال</span>  |   |
|---|---|
| <b>Step-1</b> Place thumb with ampoule breaker on the white mark.<br> <p>ایمپول پر بکھریت لکھنول پر ہے۔ ٹمبے کے ساتھ سفید نشان پر ٹھکڑا رکھیں۔</p> | <b>Press &amp; break ampoule.</b><br> <p>ایمپول پر دباؤ ڈالیں تاکہ وہ با آسانی ٹوٹ جائے۔</p> |
| <b>For Oral Use</b>   | <b>For I.M. Use</b>   |
| <b>Step-2</b> Pour out in spoon.<br> <p>ٹیمپے میں خوراک نکال لیں۔</p>  | <b>Can be use as I.M. Injection.</b><br> <p>عطارداتی استعمال بھی کیا جاسکتا ہے۔</p>          |
| <b>Step-3</b> Mix & Drink in any liquid for oral use.<br> <p>باقی کسی بھی مائع میں ملا کر استعمال کیا جاسکتا ہے۔</p>                               |   |

**INSTRUCTIONS:** Store below 30°C. Protect from heat & light.

**For Injection:** Avoid freezing and injection should not be used if container is leaking, solution is cloudy or it contains un-dissolved particles.

**PRESENTATION:** D4U Injection are available in 1mlx5 ampoules with ampoule breaker.

**ہدایات:** ۳۰ ڈگری سینٹی گریڈ سے کم درجہ حرارت پر رکھیں، روشنی اور گرمی سے محفوظ رکھیں۔  
تمام دوائیں بچوں کی پہنچ سے دور رکھیں۔

انجکشن: منجمد ہونے سے بچائیں اور انجکشن کے ایک ہونے، دھندلا ہونے یا اس میں کوئی غیر حل پذیر شے نظر آنے کی صورت میں ہرگز استعمال نہ کریں۔

Manufactured by:

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