

Rotacal[®] & Rotacal[®] Max

Calcium Orotate

Description

Rotacal[®] & Rotacal[®] Max is a preparation of Calcium Orotate which is a Calcium supplement with a functional amino acid chelating ligand - Orotic acid. Orotic acid assists the transport of Calcium through cellular membrane structures, thus facilitating the intracellular uptake of Calcium, particularly in bone. Calcium Orotate also helps in the maintenance of healthy cartilage. Furthermore, Orotate is involved in the synthesis of DNA (Deoxyribonucleic acid) and RNA (Ribonucleic acid). Calcium Orotate has the ability to penetrate complex cell membranes and it can be metabolized in cartilage.

Indications

Rotacal[®] & Rotacal[®] Max is used to prevent or treat low blood Calcium levels in people who do not get enough Calcium from their diets. It may be used to treat conditions caused by low Calcium levels such as

- Bone loss (Osteoporosis)
- Weak bones (Osteomalacia/Rickets)
- Decreased activity of the parathyroid gland (Hypoparathyroidism)
- Certain muscle disease (Latent tetany)
- Hip joint plastic surgery

To ensure adequate Calcium, **Rotacal[®] & Rotacal[®] Max** may also be used in certain conditions such as

- Pregnancy and lactation
- Premenstrual syndrome (PMS)
- Post-menopausal osteoporosis
- Senile osteoporosis
- Drug (Phenytoin, Phenobarbital, or Prednisone) induced osteoporosis

Rotacal[®] & Rotacal[®] Max is very satisfactory agent in the recalcification of metastatic defects in the skeletal system.

Rotacal[®] & Rotacal[®] Max acts against a number of inflammatory diseases like arthritis, psoriasis, lupus, spondylitis, various cardiovascular ailments, encephalitis, retinitis, phlebitis, colitis, and multiple sclerosis.

Rotacal[®] & Rotacal[®] Max helps in controlling weight by suppressing the habit of frequent appetite of chronic overeaters. It is also beneficial in reducing the effects of mood swings and is proved to be quite effective in cognitive enhancement.

Rotacal[®] & Rotacal[®] Max protects the heart by enhancing the efficiency of cardiac muscles. Recent studies on Calcium Orotate indicate its potential to minimize the risk of colon cancer.

Dosage and administration

Rotacal[®] tablets: 2-3 tablets are usually recommended with meal or as directed by health care professional.

Rotacal[®] Max tablets: 1-2 tablets are usually recommended with meal or as directed by health care professional.

Use in pregnancy & lactation

Women who are pregnant and breast-feeding need more Calcium. Pregnancy related high blood pressure is a common and serious risk for women and their babies, taking supplemental forms of Calcium Orotate can help reduce this risk.

Side effects

Common side effects are bloating and swelling in the abdomen. Constipation, nausea, vomiting, headache, increased thirst/urination and intense abdominal pain may occur.

Contraindications

Contraindicated in patients with known hypersensitivity to Calcium Orotate or to any component of the formulation. Calcium Orotate is also contraindicated in conditions like incomplete or infrequent bowel movements, kidney stone, kidney disease, sarcoidosis, increased activity of the parathyroid gland, high amount of Calcium in urine, high amount of Calcium in the blood, extreme loss of body water.

Precautions

Precaution is needed in patients with kidney disease, kidney stones, little or no stomach acid (achlorhydria), heart disease, disease of the pancreas, a certain lung disease (sarcoidosis), difficulty absorbing nutrition from food (malabsorption syndrome).

Drug interactions

Calcium can decrease the absorption of other drugs such as Bisphosphonates (e.g., Alendronate), Tetracycline antibiotics (e.g., Doxycycline, Minocycline), Estramustine, Levothyroxine and Quinolone antibiotics (e.g., Ciprofloxacin, Levofloxacin).

Pharmaceutical precautions

Store in a cool & dry place. Protect from light & moisture.

Presentation

Rotacal[®] tablet: Each coated tablet contains Calcium Orotate 400 mg as Dihydrate INN.

Rotacal[®] **Max** tablet: Each coated tablet contains Calcium Orotate 740 mg as Dihydrate INN.

Package quantities

Rotacal[®] tablet: Each box contains 50 tablets in blister.

Rotacal[®] **Max** tablet: Each box contains 50 tablets in blister.

® Registered Trade Mark

