

Ultracal™-C

Calcium+Vitamin C Effervescent Tablet

Composition

Ultracal™-C: Each effervescent tablet contains Calcium Lactate Gluconate 1000 mg, Calcium Carbonate 327 mg and Ascorbic Acid (Vitamin C) 500 mg.

Pharmacology

Calcium is used as a pharmacological agent in humans almost entirely to remedy deficiency. Adequate calcium in the blood is so vital to a wide variety of bodily functions that our internal biochemistry will not tolerate a deficiency even for short periods.

Vitamin-C is an essential component of the diet as humans cannot synthesize Vitamin-C. It is a very powerful reducing agent and plays an important part in the response of the body to stress. It is important in the defense against infections.

Indications

Indicated in-Increased demand for Calcium and Vitamin C, e.g. pregnancy, lactation, periods of rapid growth (childhood, adolescence), in old age; During infectious disease and convalescence; Treatment of calcium and vitamin- C deficiency; Osteoporosis; Premenstrual syndrome; Postmenopausal problems; Adjuvant in colds and influenza.

Dosage and Administration

Adults and children over 7 years: 1 effervescent tablet daily

Children 3 to 7 years: ½ effervescent tablet daily

Infants: As prescribed by the physician

Dissolve one tablet in a glass (200 ml) of water.

Contraindication

- Hypercalcemia
- Severe hypercalciuria
- Severe renal failure
- Patients with hyperoxaluria
- Glucose-6-phosphate dehydrogenase deficiency
- Iron overload
- Larger doses may lead to gastrointestinal tract upset

Precaution

For patients with mild hypercalciuria (exceeding 300mg=7.5mmol/24hours), with mild or moderate impairment of renal function or with a history of urinary concrements, monitoring of calcium excretion in the urine is required. If necessary, the dosage should be reduced or therapy should be discontinued. High doses of vitamin-D and derivatives should be avoided during treatment with this preparation unless especially indicated.

Since citrate salts have been reported to increase aluminium absorption, this preparation which contains citric Acid as a constituent, should be used with caution in patients with severely impaired renal function, especially those receiving aluminium containing preparations. The sugar content should be taken into account by diabetic patients.

Side Effects

In rare case, mild gastrointestinal disturbances (bloating, diarrhea) can occur. In predisposed patients prolonged treatment with high doses may promote the formation of calculi in the urinary tract.

Drug Interaction

Potentially hazardous interactions: Digoxin, Tetracycline, Frusemide, Pentagastrin, Aminophylline, Erythromycin, Nitrofurantoin, Conjugated estrogens, Chloramphenicol. Potentially useful interactions: Vitamin-D, Oxytocin and Prostaglandins. Vitamin-C enhances iron absorption.

Use in Pregnancy and Lactation

Calcium containing drugs have been widely used in pregnancy by way of oral calcium supplementation or antacid therapy. Calcium Carbonate can be safely used in lactating women. Vitamin-C may be taken safely during pregnancy and lactation.

Storage

Store at a cool and dry place. Protect from light and moisture. Keep out of reach of children. Keep the container tightly closed.

Commercial Pack

Ultracal™-C: Tube containing 9 effervescent tablets.

Manufactured by :



POPULAR PHARMACEUTICALS LTD.
TONGI, GAZIPUR, BANGLADESH