

CALCIUM

Salt	Form	Strength	Elemental Ca ⁺⁺
Calcium acetate	tablet	667 mg	169 mg
Calcium carbonate	tab (Tums [®]) tab (Apocal [®]) tab (Caltrate [®])	500 mg 1250 mg 1500 mg	200 mg 500 mg 600 mg
Calcium chloride	injection (10%)	100 mg/mL	273 mg/10 mL (7 mmol*/10 mL)
Calcium compound	effervescent tab (Calcium Sandoz [®])	500 mg	500 mg
Calcium compound	effervescent tab (GramCal [®])	1000 mg	1000 mg
Calcium compound	liquid	100 mg/5 mL	20 mg/mL
Calcium gluconate	tablet ¹ injection (10%)	650 mg 100 mg/mL	60 mg 93 mg/10 mL (2.3 mmol*/10 mL)

¹ non-formulary drug
*1 mmol = 2 mEq Ca⁺⁺

Treatment of Hypocalcemia:

Parenteral :

Acute hypocalcemia:

1.5-3 g calcium gluconate (15-30mL calcium gluconate) IV in 50-100mL NS or D5W over 15-30 minutes. May follow with infusion of 0.3-0.8% solution (3-5 g = 30-50 mL) calcium gluconate in 500-1000 mL IV solution) administered over 3-12 hours.

Nurses in special & critical care areas and Physicians may administer calcium gluconate direct IV at rate not to exceed 200 mg/minute (2mL/min)

Oral Replacement:

Mild hypocalcemia: 1-2g calcium or more per day in 2-4 divided doses.