

**CENTER FOR DRUG EVALUATION AND
RESEARCH**

APPLICATION NUMBER:

210906Orig1s000

LABELING

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use CALCIUM GLUCONATE IN SODIUM CHLORIDE INJECTION safely and effectively. See full prescribing information for CALCIUM GLUCONATE IN SODIUM CHLORIDE INJECTION.

CALCIUM GLUCONATE IN SODIUM CHLORIDE injection, for intravenous use

Initial U.S. Approval: 1941

INDICATIONS AND USAGE

- Calcium Gluconate in Sodium Chloride Injection is a form of calcium indicated for pediatric and adult patients for the treatment of acute symptomatic hypocalcemia. (1)
- Limitations of Use: The safety of Calcium Gluconate Injection for long term use has not been established. (1)

DOSAGE AND ADMINISTRATION

- Contains 20 mg of calcium gluconate per mL which contains 1.86 mg (0.093 mEq) of elemental calcium (2.1)
- Administer intravenously (bolus or continuous infusion) via a secure intravenous line (2.1)
- See Full Prescribing Information (FPI) for administration rates, and appropriate monitoring (2.1)
- Do not dilute Calcium Gluconate in Sodium Chloride Injection prior to use. Any unused portion should be discarded (2.1)
- Individualize the dose within the recommended range in adults and pediatric patients depending on the severity of symptoms of hypocalcemia, the serum calcium level, and the acuity of onset of hypocalcemia. See Table 1 in the FPI for dosing recommendations in mg of calcium gluconate for neonates, pediatric and adult patients. (2.2)
- Measure serum calcium during intermittent infusions every 4 to 6 hours and during continuous infusion every 1 to 4 hours. (2.3)
- Calcium Gluconate Injection is not physically compatible with fluids containing phosphate or bicarbonate. Precipitation may result if mixed. See FPI for all drug incompatibilities. (2.5)

DOSAGE FORMS AND STRENGTHS

Injection:

- Calcium gluconate 1,000 mg per 50 mL (20 mg/mL) single-dose bags (3)
- Calcium gluconate 2,000 mg per 100 mL (20 mg/mL) single-dose bags (3)

CONTRAINDICATIONS

- Hypercalcemia (4)
- Neonates (28 days of age or younger) receiving ceftriaxone (4)

WARNINGS AND PRECAUTIONS

- *Arrhythmias with Concomitant Cardiac Glycoside Use* If concomitant therapy is necessary, Calcium Gluconate in Sodium Chloride Injection should be given slowly in small amounts and close ECG monitoring is

recommended (5.1)

- *End-Organ Damage due to Intravascular Ceftriaxone-Calcium Precipitates* Concurrent use of intravenous ceftriaxone may cause life-threatening precipitates. Do not administer ceftriaxone simultaneously with Calcium Gluconate in Sodium Chloride Injection via a Y-site in any age group. Cases of fatal outcomes in neonates have occurred. (4, 5.2)
- *Tissue Necrosis and Calcinosis* Calcinosis cutis can occur with or without extravasation of Calcium Gluconate in Sodium Chloride Injection. Tissue necrosis, ulceration, and secondary infection are the most serious complications. If extravasation occurs or clinical manifestations of calcinosis cutis are noted, immediately discontinue intravenous administration at that site and treat as needed. (5.3)
- *Hypotension, Bradycardia, and Cardiac Arrhythmias with Rapid Administration* To avoid adverse reactions that may follow rapid intravenous administration, Calcium Gluconate in Sodium Chloride Injection should be infused slowly, with careful ECG monitoring for cardiac arrhythmias. (5.4)
- *Aluminum Toxicity* This product contains aluminum, up to 25 mcg per liter, that may be toxic. (5.5)

ADVERSE REACTIONS

The most common adverse events with Calcium Gluconate Injection are local soft tissue inflammation and necrosis, calcinosis cutis and calcification that are related to extravasation. Other adverse events include vasodilation, decreased blood pressure, bradycardia, cardiac arrhythmia, syncope, and cardiac arrest. (6)

To report SUSPECTED ADVERSE REACTIONS, contact WG Critical Care, LLC at 1-866-562-4708 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DRUG INTERACTIONS

- *Cardiac Glycoside*: Synergistic arrhythmias may occur if calcium and cardiac glycosides are administered together. (7.1)
- *Calcium Channel Blockers*: Administration of calcium may reduce the response. (7.2)
- *Drugs that may cause hypercalcemia* Vitamin D, vitamin A, thiazide diuretics, estrogen, calcipotriene and teriparatide administration may cause hypercalcemia. Monitor plasma calcium concentrations in patients taking these drugs concurrently. (7.3)

USE IN SPECIFIC POPULATIONS

- *Geriatric use*: Dosing in elderly patients should be cautious, usually starting at the low end of the dosage range. (8.5)
- *Renal impairment* Initiate with the lower limit of the dosage range and monitor serum calcium levels every 4 hours. (8.6, 2.4)

See 17 for PATIENT COUNSELING INFORMATION.

Revised: 10/2018

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

Calcium Gluconate in Sodium Chloride Injection is indicated for pediatric and adult patients for the treatment of acute symptomatic hypocalcemia.

Limitations of Use

The safety of Calcium Gluconate in Sodium Chloride Injection for long term use has not been established.

2 DOSAGE AND ADMINISTRATION

2.1 Important Administration Instructions

- Calcium Gluconate in Sodium Chloride Injection contains 20 mg of calcium gluconate per mL which contains 1.86 mg (i.e., 0.093 mEq) of elemental calcium. See Table 1 for amounts of elemental calcium in Calcium Gluconate in Sodium Chloride Injection.

Table 1. Amounts of Calcium Gluconate and Elemental Calcium

Total Strength per Total Volume	Strength per mL	Total Amount of Elemental Calcium (mg) per Total Volume	Total Amount of Elemental Calcium (mEq) per Total Volume
1,000 mg per 50 mL	20 mg/mL	93 mg per 50 mL	4.65 mEq per 50 mL
2,000 mg per 100 mL	20 mg/mL	186 mg per 100 mL	9.3 mEq per 100 mL

- Do not dilute Calcium Gluconate in Sodium Chloride Injection prior to use. Any unused portion should be discarded.
- Inspect Calcium Gluconate in Sodium Chloride Injection visually prior to administration. The solution should appear clear and colorless. Do not administer if there is particulate matter or discoloration.
- Administer Calcium Gluconate in Sodium Chloride Injection intravenously via a secure intravenous line to avoid calcinosis cutis and tissue necrosis [see Warnings and Precautions (5.3)].
- Administer Calcium Gluconate in Sodium Chloride Injection by continuous infusion at the rate recommended in Table 1 [see Dosage and Administration (2.2)] and monitor patients, vitals, calcium and ECG during the infusion [see Warnings and Precautions (5.4)].

2.2 Recommended Dosage

Individualize the dose of Calcium Gluconate in Sodium Chloride Injection within the recommended range depending on the severity of symptoms of hypocalcemia, the serum calcium level, and the acuity of onset of hypocalcemia.

Table 2 provides dosing recommendations for Calcium Gluconate in Sodium Chloride Injection in mg of calcium gluconate for neonates, pediatric and adult patients.

Table 2. Dosing Recommendations in mg of Calcium Gluconate for Neonate, Pediatric, and Adult Patients

Patient Population	Initial Dose	Subsequent Doses (if needed)	
		Bolus	Continuous Infusion
Neonate (less than 1 month to 1 month)	100 mg/kg to 200 mg/kg	100 mg/kg to 200 mg/kg every 6 hours	Initiate at 17 mg/kg/hour to 33 mg/kg/hour

Pediatric (greater than 1 month to less than 17 years)	29 mg/kg to 60 mg/kg	29 mg/kg to 60 mg/kg every 6 hours	Initiate at 8 mg/kg/hour to 13 mg/kg/hour
Adult (17 years and greater)	1,000 mg to 2,000 mg	1,000 mg to 2,000 mg every 6 hours	Initiate at 5.4 mg/kg/hour to 21.5 mg/kg/hour
<p>For bolus administration, DO NOT exceed an infusion rate of:</p> <ul style="list-style-type: none"> •200 mg/minute in adult patients •100 mg/minute in pediatric patients <p>For continuous infusions, adjust rate as needed based on serum calcium levels</p>			

2.3 Serum Calcium Monitoring

Measure serum calcium every 4 to 6 hours during intermittent infusions with Calcium Gluconate in Sodium Chloride Injection and measure serum calcium every 1 to 4 hours during continuous infusion.

2.4 Dosage in Renal Impairment

For patients with renal impairment, initiate Calcium Gluconate in Sodium Chloride Injection at the lowest dose of the recommended dose ranges for all age groups and monitor serum calcium levels every 4 hours.

2.5 Drug Incompatibilities

- Do not mix Calcium Gluconate in Sodium Chloride Injection with ceftriaxone. Concurrent use of intravenous ceftriaxone and Calcium Gluconate in Sodium Chloride Injection can lead to the formation of ceftriaxone-calcium precipitates. Concomitant use of ceftriaxone and intravenous calcium-containing products is contraindicated in neonates (28 days of age or younger) [see *Contraindications (4)*]. In patients older than 28 days of age, ceftriaxone and calcium-containing products may be administered sequentially, provided the infusion lines are thoroughly flushed between infusions with a compatible fluid. Ceftriaxone must not be administered simultaneously with intravenous calcium-containing solutions via a Y-site in any age group [see *Warnings and Precautions (5.2), Drug Interactions (7.3)*].
- Do not mix Calcium Gluconate in Sodium Chloride Injection with fluids containing bicarbonate or phosphate. Calcium Gluconate Injection is not physically compatible with fluids containing phosphate or bicarbonate. Precipitation may result if mixed.
- Do not mix Calcium Gluconate in Sodium Chloride Injection with minocycline injection. Calcium complexes minocycline rendering it inactive.

3 DOSAGE FORMS AND STRENGTHS

Calcium Gluconate in Sodium Chloride Injection is a clear, colorless solution available as:

Injection:

- Calcium gluconate 1,000 mg per 50 mL (20 mg/mL) single-dose bag
- Calcium gluconate 2,000 mg per 100 mL (20 mg/mL) single-dose bag

Each mL of Calcium Gluconate in Sodium Chloride Injection contains 20 mg of calcium gluconate which contains 1.86 mg (0.093 mEq) of elemental calcium.

4 CONTRAINDICATIONS

Calcium Gluconate in Sodium Chloride Injection is contraindicated in:

- Hypercalcemia
- Neonates (28 days of age or younger) receiving ceftriaxone [see *Warnings and Precautions (5.2)*]

5 WARNINGS AND PRECAUTIONS

5.1 Arrhythmias with Concomitant Cardiac Glycoside Use

Cardiac arrhythmias may occur if calcium and cardiac glycosides are administered together. Hypercalcemia increases the risk of digoxin toxicity. Administration of Calcium Gluconate in Sodium Chloride Injection should be avoided in patients receiving cardiac glycosides. If concomitant therapy is necessary, Calcium Gluconate in Sodium Chloride Injection should be given slowly in small amounts and with close ECG monitoring [*see Drug Interactions (7.1)*].

5.2 End-Organ Damage due to Intravascular Ceftriaxone-Calcium Precipitates

Concomitant use of ceftriaxone and Calcium Gluconate in Sodium Chloride Injection is contraindicated in neonates (28 days of age or younger) due to cases of fatal outcomes in neonates in which a crystalline material was observed in the lungs and kidneys at autopsy after ceftriaxone and calcium were administered simultaneously through the same intravenous line. Concomitant administration can lead to the formation of ceftriaxone-calcium precipitates that may act as emboli, resulting in vascular spasm or infarction [*see Contraindications (4)*].

In patients older than 28 days of age, ceftriaxone and Calcium Gluconate in Sodium Chloride Injection may be administered sequentially, provided the infusion lines are thoroughly flushed between infusions with a compatible fluid. Do not administer Ceftriaxone simultaneously with Calcium Gluconate in Sodium Chloride Injection via a Y-site in any age group.

5.3 Tissue Necrosis and Calcinosis

Intravenous administration of Calcium Gluconate in Sodium Chloride Injection and local trauma may result in calcinosis cutis due to transient increase in local calcium concentration. Calcinosis cutis can occur with or without extravasation of Calcium Gluconate in Sodium Chloride Injection, is characterized by abnormal dermal deposits of calcium salts, and clinically manifests as papules, plaques, or nodules that may be associated with erythema, swelling, or induration. Tissue necrosis, ulceration, and secondary infection are the most serious complications.

If extravasation occurs or clinical manifestations of calcinosis cutis are noted, immediately discontinue intravenous administration at that site and treat as needed.

5.4 Hypotension, Bradycardia, and Cardiac Arrhythmias with Rapid Administration

Rapid injection of Calcium Gluconate in Sodium Chloride Injection may cause vasodilation, decreased blood pressure, bradycardia, cardiac arrhythmias, syncope and cardiac arrest. To avoid adverse reactions that may follow rapid intravenous administration, Calcium Gluconate in Sodium Chloride Injection should be infused slowly. If rapid intravenous bolus of Calcium Gluconate Injection is required, the rate of intravenous administration should not exceed 200 mg/minute in adults and 100 mg/minute in pediatric patients and ECG monitoring during administration is recommended [*see Dosage and Administration (2.1)*].

5.5 Aluminum Toxicity

Calcium Gluconate in Sodium Chloride Injection contains aluminum, up to 25 mcg per liter, that may be toxic. Aluminum may reach toxic levels with prolonged parenteral administration if kidney function is impaired. Premature neonates are particularly at risk because their kidneys are immature, and they require large amounts of calcium and phosphate solutions, which contain aluminum. Research indicates that patients with impaired kidney function, including premature neonates, who receive parenteral levels of aluminum at greater than 4 mcg/kg/day to 5 mcg/kg/day accumulate aluminum levels associated with central nervous system and bone toxicity. Tissue loading may occur at even lower rates of administration.

6 ADVERSE REACTIONS

The following serious adverse reactions are also described elsewhere in the labeling:

- Arrhythmias with Concomitant Cardiac Glycoside Use [*see Warnings and Precautions (5.1)*]
- End-Organ Damage due to Intravascular Ceftriaxone-Calcium Precipitates [*see Warnings and Precautions*

(5.2)]

- Tissue Necrosis and Calcinosis [*see Warnings and Precautions (5.3)*]
- Hypotension, Bradycardia, and Cardiac Arrhythmias [*see Warnings and Precautions (5.4)*]
- Aluminum toxicity [*see Warnings and Precautions (5.5)*]

The following adverse reactions associated with the use of calcium gluconate were identified in the literature. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to estimate their frequency reliably or to establish a causal relationship to drug exposure.

Cardiovascular: Vasodilation, decreased blood pressure, bradycardia, cardiac arrhythmia, syncope, cardiac arrest

Administration site reactions: Local soft tissue inflammation, local necrosis, calcinosis cutis and calcification due to extravasation

7 DRUG INTERACTIONS

7.1 Cardiac Glycosides

Hypercalcemia increases the risk of digoxin toxicity, while digoxin may be therapeutically ineffective in the presence of hypocalcemia. Synergistic arrhythmias may occur if calcium and cardiac glycosides are administered together. Avoid administration of Calcium Gluconate in Sodium Chloride Injection in patients receiving cardiac glycosides; if considered necessary, administer Calcium Gluconate in Sodium Chloride Injection slowly in small amounts and monitor ECG closely during administration.

7.2 Calcium Channel Blockers

Administration of calcium may reduce the response to calcium channel blockers.

7.3 Drugs that may cause Hypercalcemia

Vitamin D, vitamin A, thiazide diuretics, estrogen, calcipotriene and teriparatide administration may cause hypercalcemia. Monitor plasma calcium concentrations in patients taking these drugs concurrently.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk summary

Limited available data with Calcium Gluconate Injection use in pregnant women are insufficient to inform a drug associated risk of adverse developmental outcomes. There are risks to the mother and the fetus associated with hypocalcemia in pregnancy [*see Clinical Considerations*].

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and 15-20%, respectively.

Clinical Considerations

Disease-associated maternal risk

Maternal hypocalcemia can result in an increased rate of spontaneous abortion, premature and dysfunctional labor, and possibly preeclampsia.

Fetal/Neonatal adverse reactions

Infants born to mothers with hypocalcemia can have associated fetal and neonatal hyperparathyroidism, which in turn can cause fetal and neonatal skeletal demineralization, subperiosteal bone resorption, osteitis fibrosa cystica and neonatal seizures. Infants born to mothers with hypocalcemia should be carefully monitored for signs of hypocalcemia or hypercalcemia, including neuromuscular irritability, apnea, cyanosis and cardiac rhythm disorders.

8.2 Lactation

Risk summary

Calcium is present in human milk as a natural component of human milk. It is not known whether intravenous administration of Calcium Gluconate in Sodium Chloride Injection can alter calcium concentration in human milk. There are no data on the effects of Calcium Gluconate Injection on the breastfed infant, or on milk production. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for Calcium Gluconate in Sodium Chloride Injection and any potential adverse effects on the breastfed child from Calcium Gluconate in Sodium Chloride Injection or from the underlying maternal condition.

8.4 Pediatric Use

The safety and effectiveness of Calcium Gluconate in Sodium Chloride Injection have been established in pediatric patients for the treatment of acute, symptomatic hypocalcemia.

Pediatric approval for Calcium Gluconate in Sodium Chloride Injection, including doses, is not based on adequate and well-controlled clinical studies. Safety and dosing recommendations in pediatric patients are based on published literature and clinical experience [see *Dosage and Administration (2.2)*].

Concomitant use of ceftriaxone and Calcium Gluconate in Sodium Chloride Injection is contraindicated in neonates (28 days of age or younger) due to reports of fatal outcomes associated with the presence of lung and kidney ceftriaxone-calcium precipitates. In patients older than 28 days of age, ceftriaxone and Calcium Gluconate Injection may be administered sequentially, provided the infusion lines are thoroughly flushed between infusions with a compatible fluid [see *Contraindications (4) and Warnings and Precautions (5.2)*]. This product contains up to 25 mcg/L aluminum which may be toxic, particularly for premature neonates due to immature renal function. Parenteral administration of aluminum greater than 4 mcg/kg/day to 5 mcg/kg/day is associated with central nervous system and bone toxicity [see *Warnings and Precautions (5.5)*].

8.5 Geriatric Use

In general dose selection for an elderly patient should start at the lowest dose of the recommended dose range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

8.6 Renal Impairment

For patients with renal impairment, initiate Calcium Gluconate in Sodium Chloride Injection at the lowest dose of the recommended dose ranges across all age groups. Monitor serum calcium levels every 4 hours [see *Dosage and Administration (2.4)*].

8.7 Hepatic Impairment

Hepatic function does not impact the availability of ionized calcium after calcium gluconate intravenous administration. Dose adjustment in hepatically impaired patients may not be necessary.

10 OVERDOSAGE

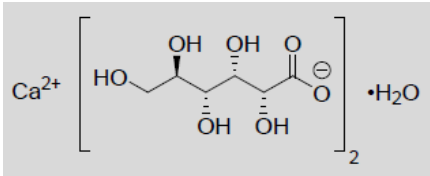
Overdosage of Calcium Gluconate in Sodium Chloride Injection may result in hypercalcemia. Symptoms of hypercalcemia typically develop when the total serum calcium concentration is ≥ 12 mg/dL. Neurologic symptoms include depression, weakness, fatigue, and confusion at lower levels, with patients experiencing hallucinations, disorientation, hypotonicity, seizures, and coma. Effects on the kidney include diminished ability to concentrate urine and diuresis.

If overdose of Calcium Gluconate in Sodium Chloride Injection occurs immediately discontinue administration and provide supportive treatments to restore intravascular volume as well as promote calcium excretion in the urine if necessary.

11 DESCRIPTION

Calcium Gluconate in Sodium Chloride Injection is a sterile, preservative-free, nonpyrogenic solution of calcium gluconate, a form of calcium, for intravenous use.

Calcium Gluconate is calcium D-gluconate (1:2) monohydrate. The structural formula is:



Molecular formula: C₁₂H₂₂CaO₁₄• H₂O

Molecular weight: 448.39

Solubility in water: 3.5 g/100 mL at 25°C

Calcium Gluconate in Sodium Chloride Injection is available as 1,000 mg per 50 mL (18.8 mg per mL) or 2,000 mg per 100 mL (18.8 mg per mL) in single-dose bags.

Each mL of Calcium Gluconate in Sodium Chloride Injection contains 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), hydrochloric acid and/or sodium hydroxide for pH adjustment (6.0 to 8.2) and sodium chloride 6.75 mg/mL as tonicity adjustor.

Each mL of Calcium Gluconate in Sodium Chloride Injection contains 1.86 mg (0.093 mEq) of elemental calcium.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Intravenous administration of calcium gluconate increases serum ionized calcium level. Calcium gluconate dissociates into ionized calcium in plasma. Ionized calcium and gluconate are constituents of body fluids.

12.3 Pharmacokinetics

Absorption

Calcium Gluconate Injection is 100% bioavailable following intravenous injection.

Metabolism

Calcium itself does not undergo direct metabolism. The release of ionized calcium from intravenous administration of calcium gluconate is direct and does not seem to be affected by the first pass through the liver.

Distribution

Calcium in the body is distributed mainly in skeleton (99%). Only 1% of the total body calcium is distributed within the extracellular fluids and soft tissues. About 50% of total serum calcium is in the ionized form and represents the biologically active part. 8% to 10% serum calcium is bound to organic and inorganic acid and approximately 40% is protein-bound (primarily to albumin).

Elimination

Studies have shown a relationship between urinary calcium excretion and the intravenous administration of calcium gluconate, with a significant increase in urinary calcium excretion observed after the intravenous administration of calcium gluconate.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Long-term studies in animals have not been conducted to evaluate the carcinogenic potential of Calcium Gluconate in Sodium Chloride Injection. Calcium gluconate was not mutagenic with or without

metabolic

activation in the Ames test with *Salmonella typhimurium* (strains TA-1535, TA-1537, and TA-1538) or *Saccharomyces cerevisiae* (Strain D4). Fertility studies in animals have not been conducted with calcium gluconate administered by the intravenous route.

16 HOW SUPPLIED/STORAGE AND HANDLING

Calcium Gluconate in Sodium Chloride Injection is a clear, colorless solution supplied in single-dose bags with an aluminum overwrap available as:

Total Strength per Total Volume	Strength per mL	24 single-dose bags NDC	Bag and Overwrap NDC
1,000 mg per 50 mL	20 mg/mL	44567-620-24*	44567-620-01
2,000 mg per 100 mL	20 mg/mL	44567-621-24	44567-621-01

*partial fill container 50 mL volume in a 100 mL container.

Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. Do not freeze.

Preservative-free. Discard any unused portion in the single-dose bag immediately.

17 PATIENT COUNSELING INFORMATION

Inform patients of the risks associated with infusion of Calcium Gluconate in Sodium Chloride Injection including local tissue inflammation, local necrosis and calcinosis. [see *Warnings and Precautions (5.3)*].

Manufactured for:

WG Critical Care, LLC

Paramus, NJ 07652

Made in Switzerland



Calcium Gluconate in Sodium Chloride Injection 1,000 mg per 50 mL Bag

NDC 44567-620-01		Do Not Dilute	50 mL
Calcium Gluconate in Sodium Chloride Injection		1,000 mg per 50 mL (20 mg per mL)	
For Intravenous Use Only		Rx only	
UPC FPO	<p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 93 mg (4.65 mEq).</p> <p>Do not add supplementary medication. Do not use in series connections.</p> <p>For intravenous administration. Check for leaks by squeezing container. If leaks are found, discard as sterility may be impaired.</p> <p>Single-dose container. Any unused portion should be discarded.</p> <p>Usual Adult Dosage: See package insert for full prescribing information.</p>		
Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. DO NOT FREEZE.			
Manufactured for: WG Critical Care, LLC Paramus, NJ 07652 Rev. 10/2018			
		Made in Switzerland	
Lot:		Exp:	




Calcium Gluconate in Sodium Chloride Injection 2,000 mg per 100 mL Bag

NDC 44567- 621 -01		Do Not Dilute	100 mL
Calcium Gluconate In Sodium Chloride Injection		2,000 mg per 100 mL (20 mg per mL)	
For Intravenous Use Only		Rx only	
UPC FPO	<p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 186 mg (9.3 mEq).</p> <p>Do not add supplementary medication. Do not use in series connections.</p> <p>For intravenous administration. Check for leaks by squeezing container. If leaks are found, discard as sterility may be impaired.</p> <p>Single-dose container. Any unused portion should be discarded.</p> <p>Usual Adult Dosage: See package insert for full prescribing information.</p>		
Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. DO NOT FREEZE.			
Manufactured for: WG Critical Care, LLC Paramus, NJ 07652 Rev. 10/2018			
		Made in Switzerland	
Lot:		Exp:	

Calcium Gluconate in Sodium Chloride Injection 1,000 mg per 50 mL Carton

<p>NDC 44567-620-24 24 x 50 mL Single-Dose bags</p> <p>Calcium Gluconate in Sodium Chloride Injection</p> <p style="text-align: center;">1,000 mg per 50 mL (20 mg per mL)</p> <p style="text-align: center;">Do Not Dilute</p> <hr/> <p>For Intravenous Use Only</p> <p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 93 mg (4.65 mEq).</p> <p>Rx only </p>	<p>Do not add supplementary medication. Do not use in series connections.</p> <p>For intravenous administration. Check for leaks by squeezing container. If leaks are found, discard as sterility may be impaired.</p> <p>Single-dose container. Any unused portion should be discarded.</p> <p>Usual Adult Dosage: See package insert for full prescribing information.</p>	<p>NDC 44567-620-24 24 x 50 mL Single-Dose bags</p> <p>Calcium Gluconate in Sodium Chloride Injection</p> <p style="text-align: center;">1,000 mg per 50 mL (20 mg per mL)</p> <p style="text-align: center;">Do Not Dilute</p> <hr/> <p>For Intravenous Use Only</p> <p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 93 mg (4.65 mEq).</p> <p>Rx only </p>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>UPC</p> <p>FPO</p> </div> <p>Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. DO NOT FREEZE.</p> <p>Manufactured for: WG Critical Care, LLC Paramus, NJ 07652</p> <p>Made in Switzerland</p> <p>Rev. 10/2018</p>
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Calcium Gluconate in Sodium Chloride Injection 2,000 mg per 100 mL Carton

<p>NDC 44567-621-24 24 x 100 mL Single-Dose bags</p> <p>Calcium Gluconate in Sodium Chloride Injection</p> <p>2,000 mg per 100 mL (20 mg per mL)</p> <p>Do Not Dilute</p>			
<p>For Intravenous Use Only</p> <p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 186 mg (9.3 mEq).</p> <p>Rx only </p>			
<p>NDC 44567-621-24 24 x 100 mL Single-Dose bags</p> <p>Calcium Gluconate in Sodium Chloride Injection</p> <p>2,000 mg per 100 mL (20 mg per mL)</p> <p>Do Not Dilute</p>	<p>Do not add supplementary medication. Do not use in series connections.</p> <p>For intravenous administration. Check for leaks by squeezing container. If leaks are found, discard as sterility may be impaired.</p> <p>Single-dose container. Any unused portion should be discarded.</p> <p>Usual Adult Dosage: See package insert for full prescribing information.</p>	<p>NDC 44567-621-24 24 x 100 mL Single-Dose bags</p> <p>Calcium Gluconate in Sodium Chloride Injection</p> <p>2,000 mg per 100 mL (20 mg per mL)</p> <p>Do Not Dilute</p>	<p>UPC</p> <p>FPO</p>
<p>For Intravenous Use Only</p> <p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 186 mg (9.3 mEq).</p> <p>Rx only </p>		<p>For Intravenous Use Only</p> <p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 186 mg (9.3 mEq).</p> <p>Rx only </p>	<p>Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. DO NOT FREEZE.</p> <p>Manufactured for: WG Critical Care, LLC Paramus, NJ 07652</p> <p>Made in Switzerland</p> <p>Rev. 10/2018</p>

Calcium Gluconate in Sodium Chloride Injection 1,000 mg per 50 mL Overwrap

TO OPEN: TEAR AT NOTCH		
NDC 44567- 620 -01	Do Not Dilute	1 x 50 mL
Calcium Gluconate in Sodium Chloride Injection		1,000 mg per 50 mL (20 mg per mL)
For Intravenous Use Only		Rx only
UPC FPO	<p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 93 mg (4.65 mEq).</p> <p>Do not add supplementary medication. Do not use in series connections.</p> <p>For intravenous administration. Check for leaks by squeezing container. If leaks are found, discard as sterility may be impaired.</p> <p>Single-dose container. Any unused portion should be discarded.</p> <p>Usual Adult Dosage: See package insert for full prescribing information.</p>	
Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. DO NOT FREEZE.		
Manufactured for: WG Critical Care, LLC Paramus, NJ 07652 Rev. 10/2018		
		Made in Switzerland
Lot:		Exp:

Calcium Gluconate in Sodium Chloride Injection 2,000 mg per 100 mL Overwrap

TO OPEN: TEAR AT NOTCH		
NDC 44567- 621 -01	Do Not Dilute	1 x 100 mL
Calcium Gluconate in Sodium Chloride Injection		2,000 mg per 100 mL (20 mg per mL)
For Intravenous Use Only		Rx only
UPC FPO	<p>Each mL contains: 20 mg of calcium gluconate (equivalent to 18.8 mg of calcium gluconate and 0.9 mg of calcium saccharate tetrahydrate), 1.86 mg (0.093 mEq) of elemental calcium, 6.75 mg sodium chloride. pH 6.0 to 8.2 adjusted with hydrochloric acid or sodium hydroxide.</p> <p>Total elemental calcium in bag: 186 mg (9.3 mEq).</p> <p>Do not add supplementary medication. Do not use in series connections.</p> <p>For intravenous administration. Check for leaks by squeezing container. If leaks are found, discard as sterility may be impaired.</p> <p>Single-dose container. Any unused portion should be discarded.</p> <p>Usual Adult Dosage: See package insert for full prescribing information.</p>	
Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. DO NOT FREEZE.		
Manufactured for: WG Critical Care, LLC Paramus, NJ 07652 Rev. 10/2018		
		Made in Switzerland
Lot:		Exp:

This is a representation of an electronic record that was signed electronically. Following this are manifestations of any and all electronic signatures for this electronic record.

/s/

LISA B YANOFF
10/29/2018