

Panpital 40 Injection

Pantoprazole (40mg) Injection

Description

Pantoprazole Injection is a proton pump inhibitor (PPI) that reduces gastric acid secretion. It is used for treating gastrointestinal conditions requiring short-term acid suppression and is administered intravenously for rapid action.

Composition

- **Active Ingredient:** Pantoprazole Sodium (equivalent to Pantoprazole 40mg).
 - **Excipients:** Sodium hydroxide, disodium edetate, and water for injection.
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Mechanism of Action

Pantoprazole inhibits the H⁺/K⁺ ATPase enzyme in the gastric parietal cells, effectively suppressing the final step in gastric acid production. This results in reduced gastric acidity and alleviation of acid-related symptoms.

Indications

- **Gastroesophageal Reflux Disease (GERD)** with esophagitis.
- **Zollinger-Ellison Syndrome** and other hypersecretory conditions.
- **Prevention and treatment** of stress-induced gastric ulcers.
- **Management** of peptic ulcers associated with *Helicobacter pylori* infection (as part of combination therapy).
- **Acid suppression** during surgery or in patients unable to take oral PPIs.

Dosage and Administration

Route of Administration: Intravenous (IV).

- **Adults:**
 - **GERD or Erosive Esophagitis:** 40mg once daily IV.
 - **Zollinger-Ellison Syndrome:** Starting dose of 80mg IV, adjusted as needed.
- **Children (≥1 year, weight ≥15kg):**
 - **GERD:** 1mg/kg/day IV (maximum 40mg/day).

Preparation: Reconstitute the vial with 10mL of 0.9% sodium chloride injection. Administer as a slow IV injection over 2–3 minutes or as an infusion over 15 minutes.

Contraindications

- **Hypersensitivity** to pantoprazole or other PPIs.
 - **Caution** in patients with a history of *Clostridium difficile* infections or osteoporosis-related fractures.
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Precautions

- **Liver Impairment:** Monitor liver function in long-term use.
 - **Prolonged Use:** May increase the risk of vitamin B12 deficiency, hypomagnesemia, or bone fractures.
 - **Pregnancy and Lactation:** Use only if the benefits outweigh risks.
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Side Effects

Common side effects:

- Headache
- Nausea
- Diarrhea or constipation
- Injection site reactions

Rare but serious side effects:

- Severe hypersensitivity reactions (anaphylaxis, Stevens-Johnson syndrome).
 - Interstitial nephritis.
 - Hypomagnesemia or electrolyte imbalances.
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Pantoprazole 40mg Injection offers rapid and effective acid suppression, providing relief in acute gastric conditions where oral administration is not feasible. Administer under the guidance of a healthcare professional to ensure safe and effective use.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,
Panchkula-134113

TM: Trademark Applied for

Drug Interactions

- Reduces absorption of drugs requiring acidic pH (e.g., ketoconazole, itraconazole).
 - Use cautiously with anticoagulants like warfarin (monitor INR).
 - May interact with HIV medications (e.g., atazanavir).
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Storage Instructions

- Store below 25°C.
 - Protect from light.
 - Use immediately after reconstitution or within the recommended time frame if specified by the manufacturer.
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Presentation

- Form: Lyophilized powder for injection.
 - Packaging: 40mg vial.
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Conclusion