

For the use only of Registered Medical Practitioners or a Hospital or a Laboratory

Rx

Piperacillin & Tazobactam for Injection IP 4.5 g

AMERICAN
Pipracan 4.5 g
Injection

Composition:

Each vial contains:

Piperacillin Sodium (Sterile)	IP	4 g
Eq. to Piperacillin		
Tazobactam Sodium (Sterile)	IP	0.5 g
Eq. to Tazobactam		
[Content of Sodium Ion = 0.22 g / Vial]		

MECHANISM OF ACTION:

Piperacillin & Tazobactam for Injection IP is a synergistic combination injectable antibiotic. Piperacillin acts as a bactericidal agent by inhibiting bacterial cell wall synthesis, while tazobactam serves as a β -lactamase inhibitor that protects piperacillin from enzymatic degradation, thereby broadening its antibacterial spectrum

INDICATIONS:

Piperacillin & Tazobactam for Injection IP is a powerful combination antibiotic used to treat moderate-to-severe bacterial infections. It contains piperacillin (a penicillin) and tazobactam (a beta-lactamase inhibitor) that work together to kill bacteria and prevent them from destroying the antibiotic. Common indications include -

- Respiratory Infections: Treatment of both hospital-acquired (nosocomial) and community-acquired pneumonia.
- Intra-abdominal Infections: Complicated conditions like appendicitis and peritonitis.
- Skin and Soft Tissue Infections: Cellulitis, cutaneous abscesses, and diabetic foot infections.
- Gynecological Infections: Postpartum endometritis and pelvic inflammatory disease (PID).
- Febrile Neutropenia: Used in patients with a low white blood cell count and a suspected bacterial infection.

CONTRA-INDICATIONS:

Piperacillin & Tazobactam for Injection IP is strictly contraindicated in patients with a history of allergic reactions (hypersensitivity) to any penicillins, cephalosporins, beta-lactamase inhibitors, or any other ingredients in the formulation.

Key Contraindications –

- Severe Allergic Reactions: Prior to starting the medication, healthcare providers must screen for past severe allergic reactions. Anaphylactic shock can occur and may be fatal.
- Renal Impairment: Requires dose adjustments or extended dosing intervals in patients with reduced kidney function (e.g., creatinine clearance less than 20 mL/min).
- Bleeding Disorders: Piperacillin can inhibit platelet aggregation. Caution is advised when co-administering with anticoagulants (like heparin or warfarin) or in patients with bleeding disorders.

- Severe Skin Reactions: Patients with progressive rashes or a history of severe cutaneous adverse reactions (such as Stevens-Johnson syndrome) should avoid the drug.

DOSAGE AND ADMINISTRATION:

As directed by the Physician. For intravenous infusion use only.

INTERACTIONS:

Piperacillin and tazobactam for injection is a penicillin-class antibacterial combination. It interacts with several medications, notably methotrexate (causing toxicity through reduced clearance), probenecid (increasing antibiotic blood levels), anticoagulants like warfarin, and various aminoglycosides (requiring separate administration)

ADVERSE DRUG REACTIONS:

Piperacillin and Tazobactam for Injection is a broad-spectrum penicillin-class antibiotic. While highly effective, it can cause a range of adverse effects, from mild gastrointestinal discomfort to severe hypersensitivity reactions and kidney issues.

OVERDOSAGE:

An overdose of Piperacillin & Tazobactam primarily causes severe gastrointestinal upset and neuromuscular issues. Symptoms often include intense nausea, vomiting, diarrhea, and, at very high levels, muscle twitches or seizures. The risk of seizures is significantly higher in patients with impaired kidney function.

STORAGE:

Store below 25°C. Protect from light.

PRESENTATION:

Powder is filled in 30 ml glass vial and packed in a tray with 20 ml Sterile Water for Injection. Tray is packed in a mono carton along with package insert.

Marketed by:

AMERICAN
REMEDIES
Care & Cure With Research

American Remedies Healthcare Pvt. Ltd.
(An ISO 9001:2015 Certified Company)

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