



REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME

piperacillin/tazobactam

Effective Date: Dec 2012

Revised Date: Nov 2024

CLASSIFICATION
Antibiotic

OTHER NAMES
Tazocin

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ADMINISTRATION POLICY:

- IV Intermittent - May be administered by a nurse **MINI-BAG PLUS COMPATIBLE**
- IV Bolus - *Not recommended*
- IM Injection - *Not recommended*
- Subcutaneous - *Not recommended*

RECONSTITUTION/DILUTION/ADMINISTRATION:

Available As	Combination Description	Diluent volume	Final Volume	Final Concentration	Preferred Diluent Volumes Bag Size (NS or D5W)	Alternate Bag Size (NS or D5W)
2.25 gram	Piperacillin 2 gram and Tazobactam 0.25 gram	8.4 mL	10 mL	225 mg/mL (equivalent to piperacillin 200 mg/mL tazobactam 25 mg/mL)	50 to 100 mL	25 mL
3.375 gram	Piperacillin 3 gram and Tazobactam 0.375 gram	12.6 mL	15 mL		50 to 100 mL	N/A
4.5 gram*	Piperacillin 4 gram and Tazobactam 0.5 gram	16.9 mL	20 mL		50 to 100 mL	N/A

To maximize speed of reconstitution, loosen powder in the vial by lightly tapping the vial prior to reconstitution or docking with MINI-BAG PLUS bag

**4.5 g vials of Auro and Eugia brands are NOT MINI BAG PLUS compatible*

- IV Intermittent:** Administer over at least 30 minutes
- Maximum rate:** IV Intermittent: over 30 minutes
- Maximum concentration:** 90 mg/mL (equivalent to piperacillin 80 mg/mL & tazobactam 10 mg/mL)

DOSAGE:

- Usual:** 3.375 gram IV every 6 hours OR 4.5 grams IV every 6 to 8 hours
- Maximum single dose:** 4.5 grams
- Maximum daily dose:** 18 grams

STABILITY/COMPATIBILITY:

- Stability of Reconstituted Solution:** 24 hours at room temperature
- Stability of Final Admixture:** 24 hours at room temperature

Compatibility: Compatible in D5W, normal saline or combination dextrose-saline solution,

Manufacturer	Compatibility with Ringers lactate
SteriMax	Compatible
Sandoz	Compatible
Fresenius Kabi	Compatible
Auro	INCOMPATIBLE
Teva	INCOMPATIBLE

PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:

- GI: diarrhea, nausea
- Hypersensitivity: rash, erythema, pruritus

ADDITIONAL NOTES AND NURSING CONSIDERATIONS:

- Dosage reduction is indicated in renal impairment
- Tazobactam is an enzyme inhibitor that enhances and extends the antibiotic spectrum of piperacillin