



REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME
ampicillin

Effective Date: Mar 2013
Revised Date: Nov 2024

CLASSIFICATION
Antibiotic

OTHER NAMES
Ampicin, Penbritin

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ADMINISTRATION POLICY:

- IV Bolus - May be administered by a nurse
- IV intermittent - May be administered by a nurse **MINI-BAG PLUS COMPATIBLE**
- IM Injection - May be administered by a nurse

RECONSTITUTION/DILUTION/ADMINISTRATION:

Available as: 250 mg, 500 mg, 1 gram, 2 gram vial

Reconstitution: *for IV/IM administration*

Strength	Volume of sterile water for injection*	Final concentration	Final volume
250 mg	0.9 mL	250 mg/mL	1 mL
500 mg	1.8 mL	250 mg/mL	2 mL
1 gram	3.4 mL	250 mg/mL	4 mL
2 gram	6.8 mL	250 mg/mL	8 mL

**NOTE: Refer to package insert as volume of diluents may vary depending on manufacturer*

IV intermittent: Administer over a minimum of 10 to 15 minutes

Dose	Dose Preferred Diluent Volumes Bag size NaCl 0.9% MINI BAG PLUS COMPATIBLE*
250 mg	50 mL or 100 mL
500 mg	50 mL or 100 mL
1 gram*	50 mL or 100 mL
2 gram	100 mL

** 1g vials of Auro and Eugia brands NOT MINI BAG PLUS compatible*

IV bolus: (not recommended for doses greater than 500 mg)

For doses less than or equal to 500 mg dilute with an additional 5 mL sterile water for injection and administer over 3 to 5 minutes.

IM injection: Use reconstituted solution. Administer deep IM into a large muscle

Maximum rate: **IV push:** 3 minutes (doses less than or equal to 500mg)
IV intermittent: 10 minutes

Maximum concentration: IV: 100 mg/mL
IM: 250 mg/mL

DOSAGE:

Usual: 1 to 2 gram every 4 to 6 hours

Maximum single dose: 2 grams
Maximum daily dose: 12 grams



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STABILITY/COMPATIBILITY:

Stability of Reconstituted Solution: 1 hour at room temperature

Stability of Final Admixture: 8 hours in normal saline at room temperature

Compatibility: Compatible with normal saline
Variable admixture compatibility with D5W, Ringer’s lactate
Compatible with Ringer’s lactate via Y-site

PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:

- Contraindicated in patients allergic to penicillins
- Use cautiously in patients allergic to cephalosporins
- Hypersensitivity reactions
- GI effects: diarrhea, nausea, vomiting, abdominal pain, increased LFT’s

ADDITIONAL NOTES AND NURSING CONSIDERATIONS:

- Dosage reduction is indicated in renal dysfunction