



REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME
meropenem

Effective Date: Dec 2012

CLASSIFICATION
Antibiotic

OTHER NAMES
Merrem

PAGE

Revised Date: Jan 12 2022

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ADMINISTRATION POLICY:

IV Bolus - May be administered by a nurse
 IV Infusion - May be administered by a nurse **MINI-BAG PLUS COMPATIBLE**

RECONSTITUTION/DILUTION/ADMINISTRATION:

Available as: 500 mg vial: Add 10 mL sterile water for injection. Final Concentration: 50 mg/mL
 1 gram vial: Add 20 mL sterile water for injection. Final Concentration: 50 mg/mL

IV Intermittent: MINI-BAG PLUS COMPATIBLE
 For 500 to 1000 mg doses -Dilute in 50 to 250 mL of normal saline.
 For fluid restricted patients dilute in 25 to 100 mL
 Administer over 15 to 30 minutes
 For 2 g doses - Dilute in 100 to 250 mL normal saline
 For fluid restricted patients dilute in 100 mL
 Administer over 30 minutes. Do not dilute in less than 100 mL
 (exceeds maximum concentration)

IV Bolus: Undiluted over 3 to 5 minutes

Maximum rate: **IV Intermittent:** over 15 minutes
IV Bolus: 1 gram over 3 minutes

Maximum concentration: 50 mg/mL

DOSAGE:

Usual: 500 mg every 6 hours
 1 gram every 8 hours
Meningitis: 2 grams IV every 8 hours
 (for gram-negative pathogens resistant to 3rd gen. cephalosporin only)
Maximum single dose: 2 grams
Maximum daily dose: 6 grams

STABILITY/COMPATIBILITY:

Stability of Reconstituted Solution: 2 hours at room temperature
Stability of Final Admixture: 4 hours in normal saline, 2 hours in D5W at room temperature
Compatibility: Compatible with D5W, normal saline (preferred diluent) or dextrose-saline combinations

PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:

- Inflammation or pain in injection site.
- GI disturbances (diarrhea, nausea, and vomiting).
- Rash, pruritus

ADDITIONAL NOTES AND NURSING CONSIDERATIONS:

- Adjust dose for renal impairment, (i.e. Cr Cl less than 50 mL/minute)
- Administer after dialysis if possible.
- Use with caution or avoid in patients with a penicillin allergy due to a risk of cross allergenicity with B-lactam antibiotics, like meropenem.