

INTRAVENOUS DRUG THERAPY MANUAL

NAME OF MEDICATION
CEFTOBIPROLE

OTHER NAMES
Zeftera™

CLASSIFICATION
Antibiotic - cephalosporin

INDICATIONS

- Treatment of complicated skin and skin structure infections, including non-limb threatening diabetic foot infections without concomitant osteomyelitis caused by: *E. cloacae*, *E. coli*, *K. pneumoniae*, *P. mirabilis*, *S. aureus* (including methicillin-resistant strains) and *S. pyogenes*.

ADMINISTRATION

- Reconstitute the 500 mg vial with 10 mL of SWFI or D5W. Shake vigorously; complete dissolution may take up to 10 minutes. Before further dilution, allow any foam to dissipate.
- Infusion: dilute each 10 mL of the reconstituted solution in 250 mL of NS, D5W or RL. Gently invert the solution 5-10 times to ensure a homogenous mixture. Avoid vigorous shaking to prevent foaming. Infuse over 1-2 hours as per dosage section. Light protection is not necessary during administration.

POTENTIAL ADMINISTRATION HAZARDS

- Hypersensitivity reactions: rash, pruritus, anaphylaxis.
- GI: nausea, vomiting, diarrhea, dysgeusia (caramel taste).
- CNS: headache, dizziness, seizures.
- Hyponatremia.
- Local reactions: pain, phlebitis.

DOSAGE

- For gram positive infections, excluding diabetic foot infections: 500 mg q12h over 60 minutes for 7-14 days.
- For gram negative infections, mixed infections, and diabetic foot infections: 500 mg q8h over 2 hours for 7-14 days.
- Adjust dosage in patients with renal impairment:

CrCl (mL/min)	50-80	30-49	10-29
Dose	no dosage adjustment	500 mg q12h over 2 hours	250 mg q12h over 2 hours

Note: not recommended in patients with a CrCl < 10 mL/min or on dialysis, as there is insufficient information to make a dose recommendation.

COMPATIBILITY, STABILITY

- Store unopened vials in the fridge and protect from light.
- The reconstituted solution is stable for 60 minutes at room temp and 24 hours in the fridge, both when protected from light.
- The infusion is stable for 24 hours at room temp if protected from light and for 8 hours unprotected from light when diluted in NS; the same solution is stable for 96 hours when stored in the fridge and protected from light.
- The infusion is stable for 12 hours at room temp if protected from light and for 8 hours unprotected from light when diluted in D5W; the same solution is stable for 96 hours when stored in the fridge and protected from light.
- The infusion is stable for 24 hours at room temp if protected from light and for 8 hours unprotected from light when diluted in RL. This solution should not be refrigerated.

MISCELLANEOUS

- Potential for cross-allergenicity with other beta-lactam antibiotics.

REFERENCES

2, 5, 13, 95.