

Cloxacillin:

Class: Antibiotic.

Indications:

Treatment of bacterial infections including endocarditis, pneumonia, bone and joint infections, skin and soft-tissue infections, and sepsis that are caused by susceptible strains of penicillinase-producing staphylococci. **Note:** Exhibits good activity against *Staphylococcus aureus*; has activity against many streptococci, but is less active than penicillin and is generally not used in clinical practice to treat streptococcal infections.

Available dosage form in the hospital: 250MG VIAL, 500MG VIAL, 250MG TABLET.

Trade Names:

Dosage:

-Susceptible infections (manufacturer's labeling):

-Oral: 250-500 mg every 6 hours (maximum adult dose: 6 g/day)

-I.M., I.V.: 250-500 mg every 6 hours (maximum adult dose: 6 g/day)

Dosing recommendations of World Health Organization unless otherwise noted:

-Arthritis (septic), methicillin-sensitive *Staphylococcus aureus* (MSSA) (unlabeled dosing): I.M., I.V.: 2 g every 6 hours for 2-3 weeks; **Note:** Oral therapy of 1 g every 6 hours may be used to complete therapy if parenteral therapy is discontinued prior to 2-3 week duration

-Endocarditis (MSSA) (unlabeled dosing): I.V.:

-*Native valve:* 2 g every 4 hours for 6 weeks; may give with gentamicin for initial 5 days (Choudri, 2000)

-*Prosthetic valve:* 2 g every 4 hours for 6 weeks; give with gentamicin for 2 weeks and rifampin for 6 weeks (Choudri, 2000)

-*Uncomplicated endocarditis in I.V. drug users:* 2 g every 4 hours for 4 weeks and gentamicin for initial 5 days **or** 2 g every 4 hours and gentamicin both given for 2 weeks total (Choudri, 2000)

-Osteomyelitis (MSSA) (unlabeled dosing): I.M., I.V.: 2 g every 6 hours for 4-6 weeks (preferred) **or** for a minimum of 14 days, **followed by** 1 g every 6 hours orally to complete 4-6 weeks of therapy

- Pneumonia (MSSA) (unlabeled dosing): I.M., I.V.: 1-2 g every 6 hours for 10-14 days
- Renal Impairment : No dosage adjustment necessary.

Common side effect: Hypotension, Confusion, fever, lethargy, seizure (high doses and/or renal failure), Pruritus, rash, urticarial, Abdominal pain, black or hairy tongue, diarrhea, flatulence, nausea, oral candidiasis, pseudomembranous colitis, vomiting, Arthralgia, myalgia, sneezing, wheezing.

Pregnancy Risk Factor: B