

# Twotil

## Cefuroxime BP

**Twotil** (Cefuroxime) is a bactericidal second generation cephalosporin antibiotic which is active against a wide range of Gram-positive and Gram-negative susceptible organisms including many beta-lactamase producing strains. Cefuroxime inhibits bacterial cell wall synthesis by interfering with the transpeptidation process.

### Composition

**Twotil 250 Tablet:** Each film coated tablet contains Cefuroxime Axetil BP equivalent to Cefuroxime 250 mg.

**Twotil 500 Tablet:** Each film coated tablet contains Cefuroxime Axetil BP equivalent to Cefuroxime 500 mg.

**Twotil Powder for suspension (70ml):** Each 5 ml reconstituted suspension contains 125 mg Cefuroxime as Cefuroxime Axetil BP

### Indication

It is indicated for the treatment of infections caused by sensitive bacteria.

Pharyngitis/Tonsillitis caused by *Streptococcus pyogenes*. Acute Bacterial Otitis Media caused by *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Moraxella catarrhalis* (beta-lactamase producing strains) or *Streptococcus pyogenes*. Acute bacterial maxillary sinusitis caused by *Streptococcus pneumoniae* or *Haemophilus influenzae* (non beta-lactamase producing strains). Lower respiratory tract infections including pneumoniae, caused by *Streptococcus pneumoniae*, *Haemophilus influenzae* (including beta lactamase-producing strains), *Klebsiella spp.*, *Staphylococcus aureus* (penicillinase- and non-penicillinase-producing strains), *Streptococcus pyogenes*, *E. coli*. Acute bacterial exacerbation of chronic bronchitis and Secondary bacterial infections of Acute bronchitis caused by *Streptococcus pneumoniae*, *Haemophilus influenzae* (beta-lactamase negative strains) or *Haemophilus parainfluenzae* (beta-lactamase negative strains). Skin and skin-structure infections caused by *Staphylococcus aureus* (including beta-lactamase producing strains) or *Streptococcus pyogenes*. Urinary tract infections caused by *E.coli* or *Klebsiella pneumoniae*. Bone and Joint Infections caused by *Staphylococcus aureus* (penicillinase- and non-penicillinase-producing strains). Gonorrhoea caused by penicillinase-producing and non-penicillinase producing strains of *Neisseria gonorrhoeae*. Early Lyme Disease caused by *Borrelia burgdorferi*.

### Dosage and administration

Oral dose for adolescent and adult (13 years and older)

Infection	Dosage	Duration (Days)
Pharyngitis/tonsillitis	250 mg b.i.d.	5-10
Acute bacterial maxillary sinusitis	250 mg b.i.d.	10
Acute bacterial exacerbation of chronic bronchitis	250-500 mg b.i.d.	10
Secondary bacterial infections of acute bronchitis	250-500 mg b.i.d.	5-10
Uncomplicated skin and skin structure infections	250-500 mg b.i.d.	10
Uncomplicated urinary tract infections	250 mg b.i.d.	7-10
Uncomplicated Gonorrhoea	1000 mg	Single dose
Community acquired pneumonia	250-500 mg b.i.d.	5-10
MDR Typhoid Fever	500 mg b.i.d.	10-14
Early Lyme disease	500 mg b.i.d.	20

### For child patient ( 3 months to 12 years)

Pharyngitis/ Tonsillitis	20 mg/kg/day b.i.d	5-10
Acute otitis media	30 mg/kg/day b.i.d.	10
Acute bacterial maxillary sinusitis	30 mg/kg/day b.i.d.	10
Impetigo	30 mg/kg/day b.i.d.	10

### Side effect

Adverse effects to Cefuroxime have occurred infrequently and have been generally mild and transient in nature. Effects reported include rashes and gastrointestinal disturbances. As with other antibiotics, prolonged use may result in the overgrowth of non susceptible organisms e.g. *Candida*.

### Contraindication

Cefuroxime is contraindicated in patients with known allergy to Cephalosporins.

### Precaution

Cefuroxime should be given with care to patients receiving concurrent treatment with potent diuretics & who has history of colitis. Cephalosporin antibiotics may in general be given safely to patients who are hypersensitive to penicillin although cross reactions have reported. Cefuroxime has shown, that is not likely to be a problem at the recommended to dose levels.

### Drug interaction

No potentially hazardous interactions have been reported.

### Use in pregnancy and lactation

US FDA pregnancy category of Cefuroxime is B. There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed. Cefuroxime have been shown to be excreted in human milk. So, caution should be exercised when Cefuroxime is administered to a nursing woman.

### Storage condition

Store in a cool, dry place (below 30°C), away from light & moisture. Keep out of the reach of children.

### How supplied

**Twotil 250 Tablet:** Each box contains 2 x 6 tablets in Alu-Alu blister pack.

**Twotil 500 Tablet:** Each box contains 1x 6 tablets in Alu-Alu blister pack.

**Twotil Powder for suspension (70ml):** Each amber color glass bottle contains dry powder to reconstitute 70 ml suspension.