

Ceftid®

Cefixime

Description: Cefixime (Ceftid®) is an orally administered 3rd generation cephalosporin with a wider antimicrobial spectrum than earlier oral cephalosporins, such as cefalexin, cefradine and cefaclor. Cefixime has good activity against *Streptococcus pneumoniae*, *Neisseria gonorrhoea* and *Haemophilus influenzae*. However, the MIC of Cefixime is considerably higher against ampicillin resistant *H. influenzae* strains. Among the Enterobacteriaceae, *E. coli*, *Klebsiella* and *Proteus* are sensitive to cefixime.

Mode of action: Cefixime (Ceftid®) inhibits bacterial cell wall synthesis and thus exerts bactericidal action.

Pharmacokinetics: 40 to 50% of an oral dose of cefixime is absorbed from the gastrointestinal tract, whether taken before or after meals. The peak serum concentrations have been reported about 4 hours after single dose of 200 mg. The plasma half-life is usually about 3 to 4 hours and may be prolonged when there is renal impairment. About 65% of cefixime in the circulation is bound to plasma proteins. Cefixime crosses the placenta and relatively higher concentrations may be achieved in bile. About 20% of an oral dose (or 50% of an absorbed dose) is excreted unchanged in the urine within 24 hours. Up to 60% may be eliminated by nonrenal mechanisms; some is probably excreted into the faeces from bile.

Composition: Ceftid® 200 mg Tablet: Each film coated tablet contains Cefixime Trihydrate USP 223.84 mg equivalent to Cefixime 200 mg.

Ceftid® 400 mg Tablet: Each film coated tablet contains Cefixime Trihydrate USP 447.68 mg equivalent to Cefixime 400 mg.

Ceftid® 200 mg Capsule: Each capsule contains Cefixime Trihydrate USP 223.84 mg equivalent to Cefixime 200 mg.

Ceftid® 400 mg Capsule: Each capsule contains Cefixime Trihydrate USP 447.68 mg equivalent to Cefixime 400 mg.

Ceftid® Powder for Suspension: After reconstitution each 5 ml contains Cefixime Trihydrate USP 112 mg equivalent to Cefixime 100 mg.

Ceftid® DS Powder for Suspension: After reconstitution each 5 ml contains Cefixime Trihydrate USP 223.85 mg equivalent to Cefixime 200 mg.

Ceftid® Powder for Paediatric Drops: After reconstitution each ml contains Cefixime Trihydrate USP 27.98 mg equivalent to Cefixime 25 mg.

Ceftid® QS Powder for Paediatric Drops: After reconstitution each ml contains Cefixime Trihydrate USP 112 mg equivalent to Cefixime 100 mg.

Indications: Respiratory tract infections, Otitis media, Gastrointestinal tract infections (including enteric fever), Urinary tract infections & Gonorrhoea.

Dosage & administration: *Adult and Child over 10 years:* 200 to 400 mg daily, either as a single dose or in 2 divided

doses. *Child from 5 to 9 years:* 200 mg daily, *Child from 1 to 4 years:* 100 mg daily, *Child from 6 months to 11 months:* 75 mg daily, *Child over 6 months:* 8 mg/kg body weight daily, either as a single dose or in 2 divided doses.

Gonorrhoea: 400 mg as a single dose.

Enteric fever: 10 mg/kg/day for 14 days, in severe cases 20 mg/kg/day.

Contraindications: Patients with known allergy to the cephalosporins.

Side effects: Diarrhoea, nausea, vomiting, abdominal pain and headache, allergic manifestations, blood disorders.

Use in pregnancy & lactation: US FDA pregnancy category B. No data is available about lactation.

Precautions: Renal impairment, pregnancy, nursing mother.

Drug interactions: No significant drug interactions have been reported.

Overdosage: Gastric lavage may be indicated; otherwise, no specific antidote exists. Cefixime is not removed in significant quantities from the circulation by hemodialysis or peritoneal dialysis. Adverse reactions in small numbers of healthy adult volunteers receiving single dose up to 2 gm of cefixime did not differ from the profile seen in patients treated at the recommended dose.

Storage: Keep out of the reach of children. Store in a dry place, below 25°C temperature and protected from light.

Packaging: Ceftid® 200 mg Tablet: Each carton contains 14 tablets (7X2) in Alu-Alu blister pack.

Ceftid® 400 mg Tablet: Each carton contains 7 tablets (7X1) in Alu-Alu blister pack.

Ceftid® 200 mg Capsule: Each carton contains 14 capsule (7X2) in Alu-Alu blister pack.

Ceftid® 400 mg Capsule: Each carton contains 7 capsule (7X1) in Alu-Alu blister pack.

Ceftid® 37.5 ml Powder for Suspension: Each carton contains a bottle having dry powder to reconstitute 37.5 ml suspension.

Ceftid® 50 ml Powder for Suspension: Each carton contains a bottle having dry powder to reconstitute 50 ml suspension.

Ceftid® 75 ml Powder for Suspension: Each carton contains a bottle having dry powder to reconstitute 75 ml suspension.

Ceftid® DS 50 ml Powder for Suspension: Each carton contains a bottle having dry powder to reconstitute 50 ml suspension.

Ceftid® Powder for Paediatric Drops: Each carton contains a bottle having dry powder to reconstitute 21 ml paediatric drops.

Ceftid® QS 20 ml Powder for Paediatric Drops: Each carton contains a bottle having dry powder to reconstitute 20 ml paediatric drops.