

Front

160 mm

120 mm

ACINET

Amoxicillin and Clavulanate potassium

For the use of a Registered Medical Practitioner, Hospital or a Laboratory

Composition

Acinet 1.2g Injection

Each vial contains
Amoxicillin Sodium BP equivalent to Amoxicillin 1 g
Clavulanate potassium USP equivalent to Clavulanic acid 200 mg

Acinet 600mg Injection

Each vial contains
Amoxicillin Sodium BP equivalent to Amoxicillin 500 mg
Clavulanate potassium USP equivalent to Clavulanic acid 100 mg

Acinet 1000

Each film-coated tablet contains
Amoxicillin Trihydrate USP equivalent to Amoxicillin 875 mg
Clavulanate potassium USP equivalent to Clavulanic acid 125 mg

Acinet 625

Each film-coated tablet contains
Amoxicillin Trihydrate USP equivalent to Amoxicillin 500 mg
Clavulanate potassium USP equivalent to Clavulanic acid 125 mg

Acinet 375

Each film-coated tablet contains
Amoxicillin Trihydrate USP equivalent to Amoxicillin 250 mg
Clavulanate potassium USP equivalent to Clavulanic acid 125 mg

Acinet 375

Each film-coated tablet contains
Amoxicillin Trihydrate USP equivalent to Amoxicillin 250 mg
Clavulanate potassium USP equivalent to Clavulanic acid 125 mg

Acinet Dry Syrup 156.25mg/5ml

Each 5ml of the reconstituted suspension contains:
Amoxicillin Trihydrate USP equivalent to Amoxicillin 125 mg
Clavulanate Potassium USP equivalent to Clavulanic acid 31.25 mg

Acinet Dry Syrup 228.5mg/5ml

Each 5ml of the reconstituted suspension contains:
Amoxicillin Trihydrate USP equivalent to Amoxicillin 200 mg
Clavulanate Potassium USP equivalent to Clavulanic acid 28.5 mg

Acinet Dry Syrup 312.5mg/5ml

Each 5ml of the reconstituted suspension contains:
Amoxicillin Trihydrate USP equivalent to Amoxicillin 250 mg
Clavulanate Potassium USP equivalent to Clavulanic acid 62.5 mg

Acinet Dry Syrup 457mg/5ml

Each 5ml of the reconstituted suspension contains:
Amoxicillin Trihydrate USP equivalent to Amoxicillin 400 mg
Clavulanate Potassium USP equivalent to Clavulanic acid 57 mg

Clinical Pharmacology

Pharmacodynamics

Acinet is a formulation of amoxicillin and clavulanic acid. Amoxicillin has a broad spectrum of bactericidal activity against many gram-positive and gram-negative microorganisms. Amoxicillin is, however, susceptible to degradation by (beta)-lactamases, and therefore, the spectrum of activity does not include organisms which produce these enzymes. The formulation of amoxicillin and clavulanic acid in Acinet protects amoxicillin from degradation by (beta)-lactamase enzymes and effectively extends the antibiotic spectrum of amoxicillin to include many bacteria normally resistant to amoxicillin and other (beta)-lactam antibiotics.

Amoxicillin/clavulanic acid has been shown to be active against most strains of the following microorganisms, both in vitro and in clinical infections.

Gram-Positive Microorganisms:

Aerobes
Staphylococcus aureus
Coagulase-negative Staphylococci (Including Staphylococci epidermidis)
Streptococcus pyogenes
Bacillus anthracis
Corynebacterium species
Streptococcus viridans
Enterococcus faecium
Enterococcus faecalis
Listeria monocytogenes

Streptococcus agalactiae

Anaerobes:

Clostridium species
Peptococcus species
Peptostreptococcus species

Gram-Negative Microorganisms:

Aerobes
Escherichia coli
Proteus mirabilis
Proteus vulgaris
Neisseria species
Salmonella species
Shigella species
Bordetella pertussis
Gardnerella vaginalis
Legionella species
Brucella species
Neisseria meningitidis
Neisseria gonorrhoeae
Haemophilus influenzae
Moraxella catarrhalis
Pasteurella multocida
Vibrio cholerae
Helicobacter pylori
Yersinia enterocolitica
Anaerobes
Bacteroides species including B. fragilis
Fusobacterium species

Pharmacokinetics

Combining clavulanic acid with amoxicillin causes no appreciable alteration of the pharmacokinetics of either drug compared with their separate administration. After oral administration, both components achieve maximum plasma concentration in about an hour. Absorption is unaffected by food, milk, ranitidine or pirenzepine. The tissue and body fluid distribution of both components is generally adequate to achieve antibacterial levels, although the concentrations may be somewhat low in bronchial secretions and cerebrospinal fluid. The pharmacokinetic profile of amoxicillin and clavulanic acid in children parallels that in adults.

Indications

Acinet is indicated in the treatment of infections caused by susceptible strains of the designated organisms in the conditions listed below:

Lower Respiratory Tract Infections - caused by (beta)-lactamase producing strains of H. influenzae and M. catarrhalis

Otitis Media - caused by (beta)-lactamase producing strains of H. influenzae and M. catarrhalis.

Sinusitis - caused by (beta)-lactamase producing strains of H. influenzae and M. catarrhalis.

Skin and Skin Structure Infections - caused by (beta)-lactamase producing strains of S. aureus, E. coli and Neisseria spp.

Urinary Tract Infections - caused by (beta)-lactamase producing strains of E. coli, Klebsiella spp. and Enterobacter spp.

Bone and Joint Infections

Other infections e.g. intra-abdominal sepsis and dental infections

While Acinet is indicated only for the conditions listed above, infections caused by ampicillin-susceptible organisms are also amenable to treatment with Acinet due to its amoxicillin content. Therefore, mixed infections caused by ampicillin-susceptible organisms and (beta)-lactamase producing organisms susceptible to Acinet should not require the addition of another antibiotic. Because amoxicillin has greater in vitro activity against S. pneumoniae than does ampicillin or penicillin, the majority of S. pneumoniae strains with intermediate susceptibility to ampicillin or penicillin are fully susceptible to amoxicillin and Acinet.

Dosage and Method of Administration

Acinet Injection

Acinet Intravenous may be administered either by intravenous injection or intermittent infusion. It is not suitable for intramuscular administration.

Usual dosages for the treatment of infection:

