

# Ampexin®

Ampicillin

## Description

Ampicillin (**Ampexin®**) is a broad spectrum, acid-stable bactericidal antibiotic which covers a wide range of infections caused by both Gram-positive and Gram-negative bacteria.

## Mode of action

Ampicillin inhibits the transpeptidase enzyme which is responsible for final cell wall synthesis. As a result the bacterial cell wall is weakened and swelled up and is ruptured.

## Composition

**Ampexin® 250 mg Injection:** Each sterile vial contains Ampicillin Sodium BP 265.75 mg equivalent to Ampicillin 250 mg.

**Ampexin® 500 mg Injection:** Each sterile vial contains Ampicillin Sodium BP 531.5 mg equivalent to Ampicillin 500 mg.

## Indications

*Respiratory tract infections:* Tonsillitis, pharyngitis, laryngitis, bronchitis, pneumonia, otitis media, bronchiectasis.

*Gastrointestinal tract infections:* Typhoid, paratyphoid, bacillary dysentery, gastroenteritis.

*Genitourinary tract infections:* Cystitis, pyelonephritis, prostatitis, gonococcal urethritis, puerperal sepsis.

*Other infections:* Post-operative infections, dental infections, septicaemia, endocarditis, meningitis, osteomyelitis.

## Dosage & administration

*Injection:*

*Adults:* 250-500 mg IM or IV, 6 hourly.

*Children:* Upto 2 years, 1/4 of the adult dose. 2-10 years, 1/2 of the adult dose; or based on body weight, 25-50 mg/kg/day in divided doses.

*For the treatment of bacterial meningitis:*

*Adults:* 10-12 gm IV daily in divided doses (e.g. 1 gm IV 2 hourly).

*Children:* 150-200 mg IV per kg body weight daily in 6 divided doses for 5 days.

## Contraindications

Ampicillin is contraindicated in penicillin

hypersensitivity.

## Side effects

During therapy with ampicillin, occasional rashes, transient diarrhoea or indigestion may rarely be reported.

## Use in pregnancy & lactation

Ampicillin is relatively safe for use in pregnancy. Some amount of drug is found in the breast milk, but this rarely causes any problem, although there is a theoretical risk of sensitizing the baby to penicillin.

## Precautions

Before administering any member of penicillin, the history of hypersensitivity should be borne in mind. Skin sensitivity test should be done before administration of the drug in parenteral route.

## Drug interactions

Ampicillin interacts with warfarin, oral contraceptives. Plasma concentration of ampicillin is increased by concurrent administration of probenecid. Food may reduce the absorption of ampicillin taken around the time of ampicillin ingestion.

## Overdosage

A little information on acute overdose is available. Toxicity is low and the only adverse effects are nausea, vomiting, and allergic manifestutiry.

## Storage

Store in a cool and dry place, protected from light.

## Packaging

**Ampexin® 250 mg Injection:** Each carton contains 4 vials with water for injection in blister pack.

**Ampexin® 500 mg Injection:** Each carton contains 4 vials with water for injection in blister pack.



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Ideas for healthcare

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