

## AMPICILLIN- ampicillin capsule

Sandoz Inc

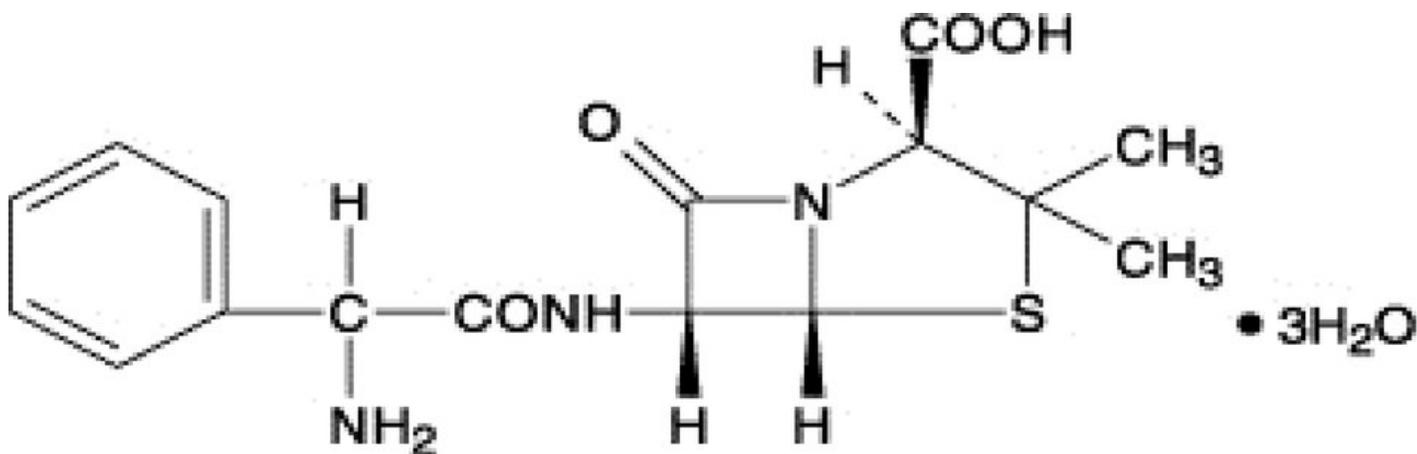
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### Ampicillin Capsules, USP

To reduce the development of drug-resistant bacteria and maintain the effectiveness of ampicillin and other antibacterial drugs, ampicillin should be used only to treat or prevent infections that are proven or strongly suspected to be caused by bacteria.

### DESCRIPTION

Ampicillin trihydrate is a semisynthetic penicillin derived from the basic penicillin nucleus, 6-aminopenicillanic acid. Ampicillin is designated chemically as (2S, 5R, 6R)-6-[(R)-2-Amino-2-phenylacetamido]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo [3.2.0] heptane-2- carboxylic acid. Its structural formula is:



Ampicillin Capsules, USP for oral administration provide ampicillin trihydrate equivalent to 250 mg and 500 mg ampicillin. Inactive ingredients: black iron oxide, gelatin, magnesium stearate, titanium dioxide, shellac, propylene glycol, ammonium hydroxide, and potassium hydroxide.

### CLINICAL PHARMACOLOGY

Ampicillin is bactericidal at low concentrations and is clinically effective not only against the gram-positive organisms usually susceptible to penicillin G but also against a variety of gram-negative organisms. It is stable in the presence of gastric acid and is well absorbed from the gastrointestinal tract. It diffuses readily into most body tissues and fluids; however, penetration into the cerebrospinal fluid and brain occurs only with meningeal inflammation. Ampicillin is excreted largely unchanged in the urine; its excretion can be delayed by concurrent administration of probenecid which inhibits the renal tubular secretion of ampicillin. In blood serum, ampicillin is the least bound of all the penicillins; an average of about 20 percent of the drug is bound to plasma proteins as compared to 60 to 90 percent of the other penicillins. The administration of 500 mg dose of ampicillin capsules results in an average peak blood serum level of approximately 3.0 mcg/mL.

### Microbiology

Mechanism of Action

Ampicillin is similar to penicillin in its bactericidal action against susceptible bacteria during the stage of active multiplication. It acts through the inhibition of cell wall biosynthesis that leads to the death of the bacteria.

#### Mechanism of Resistance

Resistance to ampicillin is mediated primarily through enzymes called beta-lactamases that cleave the beta-lactam ring of ampicillin, rendering it inactive.

#### Antimicrobial Activity

Ampicillin has been shown to be active against most isolates of the following bacteria, both *in vitro* and in clinical infections, as described in the INDICATIONS AND USAGE section.

#### Gram-positive Bacteria

*Enterococcus* spp.

*Staphylococcus* spp. (non-penicillinase-producing)

*Streptococcus pneumoniae*

*Streptococcus pyogenes*

Viridans group streptococci

#### Gram-negative Bacteria

*Escherichia coli*

*Haemophilus influenzae* (non-penicillinase-producing)

*Neisseria gonorrhoeae*

*Neisseria meningitidis*

*Proteus mirabilis*

*Salmonella* spp.

*Shigella* spp.

The following *in vitro* data are available, but their clinical significance is unknown. At least 90 percent of the following bacteria exhibit an *in vitro* minimum inhibitory concentration (MIC) less than or equal to 0.12 mcg/mL for ampicillin. However the efficacy of ampicillin in treating clinical infections due to these bacteria has not been established in adequate and well-controlled trials.

#### Gram-positive Bacteria

*Bacillus anthracis*

*Corynebacterium xerosis*

#### Anaerobic Bacteria

*Clostridium* spp.

#### Susceptibility Test Methods

When available, the clinical microbiology laboratory should provide *in vitro* susceptibility test results for antimicrobial drugs used in local hospitals and practice areas to the physician as periodic reports that describe the susceptibility profile of nosocomial and community-acquired pathogens. These reports should aid the physician in selecting an antimicrobial drug product for treatment.

#### Dilution Techniques

Quantitative methods are used to determine antimicrobial minimum inhibitory concentrations (MICs).

These MICs provide estimates of the susceptibility of bacteria to antimicrobial compounds. The MICs should be determined using a standardized test method<sup>1,3</sup> (broth and/or agar). The MIC values should be interpreted according to the criteria provided in Table 1.

### Diffusion Techniques

Quantitative methods that require measurement of zone diameters can also provide reproducible estimates of the susceptibility of bacteria to antimicrobial compounds. The zone size provides an estimate of the susceptibility of bacteria to antimicrobial compounds. The zone size should be determined using a standardized test method.<sup>2,3</sup> This procedure uses paper disks impregnated with 10 mcg ampicillin to test the susceptibility of bacteria to ampicillin. The disk diffusion interpretive criteria are provided in Table 1.

Susceptibility to ampicillin of *Staphylococcus* spp., may be inferred by testing penicillin.<sup>3</sup>

Perform test(s) to detect beta-lactamase production on staphylococci for which the penicillin MICs are  $\leq 0.12$  mcg/mL or zone diameters are  $\geq 29$  mm before reporting isolates as penicillin susceptible. Rare isolates of staphylococci that contain genes for beta-lactamase production may appear negative by beta-lactamase tests.

Consequently, for serious infections requiring penicillin therapy, laboratories should perform MIC tests and beta-lactamase testing on all subsequent isolates from the same patient. PCR testing of the isolate for the *blaZ* beta-lactamase gene may be considered.<sup>3</sup>

Susceptibility to ampicillin of *Streptococcus pneumoniae* (non-meningitis isolates), may be inferred by testing penicillin or oxacillin. Non-meningitis isolates with a penicillin MIC  $\leq 0.06$  mcg/mL or oxacillin zone size  $\geq 20$  mm can be considered susceptible to ampicillin.<sup>3</sup>

**TABLE 1: Susceptibility Test Interpretive Criteria for Ampicillin**

Pathogen	Minimum Inhibitory Concentrations (mcg/mL)			Disk Diffusion (Zone diameters in mm)		
	S	I	R	S	I	R
<i>Enterobacteriaceae</i>	$\leq 8$	16	$\geq 32$	$\geq 17$	14-16	$\leq 13$
<i>Haemophilus influenzae</i> <sup>*</sup>	$\leq 1$	2	$\geq 4$	$\geq 22$	19-21	$\leq 18$
<i>Enterococcus</i> <sup>†</sup> spp.	$\leq 8$	-	$\geq 16$	$\geq 17$	-	$\leq 16$
<i>Neisseria meningitidis</i>	$\leq 0.12$	0.25-1	$\geq 2$	-	-	-
Viridans group streptococci	$\leq 0.25$	0.5-4	$\geq 8$			
<i>Streptococcus pyogenes</i> <sup>‡</sup>	$\leq 0.25$	-	-	$\geq 24$	-	-

S = Susceptible; I = Intermediate; R = Resistant

\* The majority of isolates of *H. influenzae* that are resistant to ampicillin produce a TEM-type beta-lactamase. In most cases, a direct beta-lactamase test can provide a rapid means of detecting resistance to ampicillin.<sup>3</sup>

† Penicillin or ampicillin resistance among enterococci due to beta-lactamase production has been reported very rarely. Penicillin or ampicillin resistance due to beta-lactamase production is not reliably detected with routine disk or dilution methods, but is detected using a direct, nitrocefin-based beta-lactamase test. Because of the rarity of beta-lactamase-positive enterococci, this test need not be performed routinely, but can be used in selected cases. A positive beta-lactamase test predicts resistance to penicillin as well as amino- and ureidopenicillins.<sup>3</sup>

‡ Susceptibility testing of ampicillin need not be performed routinely because nonsusceptible isolates of beta-hemolytic streptococci are extremely rare, and have not been reported for *S. pyogenes*. If testing is performed, any beta-hemolytic streptococcus isolate that is found to be non-susceptible should be re-identified, retested, and if confirmed, reported to the public health laboratory.<sup>3</sup>

A report of *Susceptible* indicates that the antimicrobial is likely to inhibit growth of the pathogen if the antimicrobial drug reaches the concentration usually achievable at the site of infection. A report of *Intermediate* indicates that the result should be considered equivocal, and, if the microorganism is not

fully susceptible to alternative, clinically feasible drugs, the test should be repeated. This category implies possible clinical applicability in body sites where the drug is physiologically concentrated. This category also provides a buffer zone that prevents small uncontrolled technical factors from causing major discrepancies in interpretation. A report of *Resistant* indicates that the antimicrobial is not likely to inhibit growth of the pathogen if the antimicrobial compound reaches the concentration usually achievable at the infection site; other therapy should be selected.

### Quality Control

Standardized susceptibility test procedures require use of laboratory controls to monitor and ensure the accuracy and precision of supplies and reagents used in the assay, and the techniques of the individuals performing the test.<sup>1,2,3</sup> Standard Ampicillin powder should provide the following range of MIC values noted in Table 2. For the diffusion technique using the 10 mcg ampicillin disk, the criteria in Table 2 should be achieved.

**TABLE 2: Acceptable Quality Control Ranges for Ampicillin<sup>3</sup>**

QC strain	Minimum Inhibitory Concentration (mcg/mL)	Zone Diameter (mm)
<i>Escherichia coli</i> ATCC* 25922	2 - 8	15 - 22
<i>Enterococcus faecalis</i> ATCC 29212	0.5 - 2	
<i>Haemophilus influenzae</i> ATCC 49247	2 - 8	13 - 21
<i>Klebsiellapneumoniae</i> ATCC 700603	>128	
<i>Staphylococcus aureus</i> ATCC 29213	0.5 - 2	
<i>Staphylococcus aureus</i> ATCC 25923		27 - 35
<i>Streptococcus pneumoniae</i> ATCC 49619	0.06 – 0.25	30 - 36

\* ATCC = American Type Culture Collection

### **INDICATIONS AND USAGE**

Ampicillin Capsules, USP are indicated in the treatment of infections caused by susceptible strains of the designated organism listed below:

INFECTIONS OF THE GENITOURINARY TRACT INCLUDING GONORRHEA: *E. coli*, *P. mirabilis*, enterococci, *Shigella*, *S. typhosa* and other *Salmonella*, and nonpenicillinase producing *N. gonorrhoeae*.

INFECTIONS OF THE RESPIRATORY TRACT: Nonpenicillinase- producing *H. influenzae* and *staphylococci*, and streptococci including *streptococcus pneumoniae*.

INFECTIONS OF THE GASTROINTESTINAL TRACT:

*Shigella*, *S. typhosa* and other *Salmonella*, *E. coli*, *P. mirabilis*, and enterococci.

MENINGITIS: *N. Meningitides*.

To reduce the development of drug-resistant bacteria and maintain the effectiveness of ampicillin and other antibacterial drugs, ampicillin should be used only to treat or prevent infections that are proven or strongly suspected to be caused by susceptible bacteria. When culture and susceptibility information are available, they should be considered in selecting or modifying antibacterial therapy. In the absence of such data, local epidemiology and susceptibility patterns may contribute to the empiric selection of therapy.

Bacteriology studies to determine the causative organisms and their susceptibility to ampicillin should be performed. Therapy may be instituted prior to the results of susceptibility testing.

## CONTRAINDICATIONS

A history of a previous hypersensitivity reaction to any of the penicillins is a contraindication. Ampicillin is also contraindicated in infections caused by penicillinase-producing organisms.

## WARNINGS

SERIOUS AND OCCASIONAL FATAL HYPERSENSITIVITY (ANAPHYLACTOID) REACTIONS HAVE BEEN REPORTED IN PATIENTS ON PENICILLIN THERAPY. ALTHOUGH ANAPHYLAXIS IS MORE FREQUENT FOLLOWING PARENTERAL ADMINISTRATION, IT HAS OCCURRED IN PATIENTS ON ORAL PENICILLINS. THESE REACTIONS ARE MORE LIKELY TO OCCUR IN INDIVIDUALS WITH A HISTORY OF PENICILLIN HYPERSENSITIVITY AND/OR A HISTORY OF SENSITIVITY TO MULTIPLE ALLERGENS.

THERE HAVE BEEN REPORTS OF INDIVIDUALS WITH A HISTORY OF PENICILLIN HYPERSENSITIVITY WHO HAVE EXPERIENCED SEVERE HYPERSENSITIVITY REACTIONS WHEN TREATED WITH CEPHALOSPORINS. BEFORE INITIATING THERAPY WITH ANY PENICILLIN, CAREFUL INQUIRY SHOULD BE MADE CONCERNING PREVIOUS HYPERSENSITIVITY REACTIONS TO PENICILLINS, CEPHALOSPORINS, AND OTHER ALLERGENS. IF AN ALLERGIC REACTION OCCURS, THE DRUG SHOULD BE DISCONTINUED AND APPROPRIATE THERAPY INSTITUTED. **SERIOUS ANAPHYLACTOID REACTIONS REQUIRE IMMEDIATE EMERGENCY TREATMENT WITH EPINEPHRINE. OXYGEN, INTRAVENOUS STEROIDS, AND AIRWAY MANAGEMENT, INCLUDING INTUBATION, SHOULD ALSO BE ADMINISTERED AS INDICATED.**

**Pseudomembranous colitis has been reported with nearly all antibacterial agents, including ampicillin, and may range in severity from mild to life-threatening. Therefore, it is important to consider this diagnosis in patients who present with diarrhea subsequent to the administration of antibacterial agents.**

Treatment with antibacterial agents alters the normal flora of the colon and may permit overgrowth of clostridia. Studies indicate that a toxin produced by *Clostridium difficile*, is one primary cause of "antibiotic-associated colitis".

After the diagnosis of pseudomembranous colitis has been established, therapeutic measures should be initiated. Mild cases of pseudomembranous colitis usually respond to drug discontinuation alone. In moderate to severe cases, consideration should be given to management with fluids and electrolytes, protein supplementation and treatment with an antibacterial drug clinically effective against *C. difficile* colitis.

## PRECAUTIONS

### General

Prolonged use of antibiotics may promote the overgrowth of nonsusceptible organisms, including fungi. Should superinfection occur, appropriate measures should be taken.

Patients with gonorrhea who also have syphilis should be given additional appropriate parenteral penicillin treatment.

Treatment with ampicillin does not preclude the need for surgical procedures, particularly in staphylococcal infections.

Prescribing ampicillin in the absence of a proven or strongly suspected bacterial infection or a prophylactic indication is unlikely to provide benefit to the patient and increases the risk of the development of drug-resistant bacteria.

## Information For The Patient

1. The patient should inform the physician of any history of sensitivity to allergens, including previous hypersensitivity reactions to penicillins and cephalosporins (see **WARNINGS**).
2. The patient should discontinue ampicillin and contact the physician immediately if any side effect occurs (see **WARNINGS**).
3. Ampicillin should be taken with a full glass (8 oz) of water, one-half hour before or two hours after meals.
4. Diabetic patients should consult with the physician before changing diet or dosage of diabetes medication (see **PRECAUTIONS–Drug/Laboratory Test Interactions**).
5. Patients should be counseled that antibacterial drugs including ampicillin should only be used to treat bacterial infections. They do not treat viral infections (e.g., the common cold). When ampicillin is prescribed to treat a bacterial infection, patients should be told that although it is common to feel better early in the course of therapy, the medication should be taken exactly as directed. Skipping doses or not completing the full course of therapy may: (1) decrease the effectiveness of the immediate treatment, and (2) increase the likelihood that bacteria will develop resistance and will not be treatable by ampicillin or other antibacterial drugs in the future.

## Laboratory Tests

In prolonged therapy, and particularly with high dosage regimens, periodic evaluation of the renal, hepatic, and hematopoietic systems is recommended.

In streptococcal infections, therapy, must be sufficient to eliminate the organism (10 days minimum); otherwise the sequelae of streptococcal disease may occur. Cultures should be taken following completion of treatment to determine whether streptococci have been eradicated.

Cases of gonococcal infection with a suspected lesion of syphilis should have darkfield examinations ruling out syphilis before receiving ampicillin. Patients who do not have suspected lesions of syphilis and are treated with ampicillin should have a follow-up serologic test for syphilis each month for four months to detect syphilis that may have been masked for treatment for gonorrhea.

## Drug Interactions

When administered concurrently, the following drugs may interact with ampicillin.

**ALLOPURINOL:** Increased possibility of skin rash, particularly in hyperuricemic patients may occur.

**BACTERIOSTATIC ANTIBIOTICS:** Chloramphenicol, erythromycins, sulfonamides, or tetracyclines may interfere with the bactericidal effect of penicillins. This has been demonstrated *in vitro*; however, the clinical significance of this interaction is not well-documented.

**ORAL CONTRACEPTIVES:** May be less effective and increased breakthrough bleeding may occur.

**PROBENECID:** May decrease renal tubular secretion of ampicillin resulting in increased blood levels and/or ampicillin toxicity.

## Drug/Laboratory Test Interactions

After treatment with ampicillin, a false-positive reaction for glucose in the urine may occur with copper sulfate tests (Benedict's solution, Fehling's solution, or Clinitest<sup>®</sup> tablets) but not with enzyme based tests such as Clinistix<sup>®</sup> and Tes-Tape<sup>®</sup>.

## Carcinogenesis, Mutagenesis, Impairment of Fertility

Long-term studies in animals have not been performed to evaluate carcinogenesis, mutagenesis, or impairment of fertility in males or females.

## **Pregnancy**

### Teratogenic Effects

#### *Category B*

Reproduction studies in animals have revealed no evidence of impaired fertility or harm to the fetus due to penicillin. There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, penicillin should be used during pregnancy only if clearly needed.

## **Labor and Delivery**

Oral ampicillin-class antibiotics are poorly absorbed during labor. Studies in guinea pigs showed that intravenous administration of ampicillin slightly decreased the uterine tone and frequency of contractions, but moderately increased the height and duration of contractions. However, it is not known whether use of these drugs in humans during labor or delivery has immediate or delayed adverse effects on the fetus, prolongs the duration of labor, or increases the likelihood that forceps delivery or other obstetrical intervention or resuscitation of the newborn will be necessary.

## **Nursing Mothers**

Ampicillin-class antibiotics are excreted in milk. Ampicillin used by nursing mothers may lead to sensitization of infants; therefore, a decision should be made whether to discontinue nursing or to discontinue ampicillin, taking into account the importance of the drug to the mother.

## **Pediatric Use**

Penicillins are excreted primarily unchanged by the kidney; therefore, the incompletely developed renal function in neonates and young infants will delay the excretion of penicillin. Administration to neonates and young infants should be limited to the lowest dosage compatible with an effective therapeutic regimen (see **DOSAGE AND ADMINISTRATION**).

## **ADVERSE REACTIONS**

As with other penicillins, it may be expected that untoward reactions will be essentially limited to sensitivity phenomena. They are more likely to occur in individuals who have previously demonstrated hypersensitivity to penicillin and in those with a history of allergy, asthma, hay fever, or urticaria.

The following adverse reactions have been reported as associated with the use of ampicillin:

**GASTROINTESTINAL:** glossitis, stomatitis, nausea, vomiting, enterocolitis, pseudomembranous colitis, and diarrhea. These reactions are usually associated with oral dosage forms of the drugs.

**HYPERSENSITIVITY REACTIONS:** An erythematous, mildly pruritic, maculopapular skin rash has been reported fairly frequently. The rash, which usually does not develop within the first week of therapy, may cover the entire body including the soles, palms, and oral mucosa. The eruption usually disappears in three to seven days. Other hypersensitivity reactions that have been reported are: skin rash, pruritus, urticaria, erythema multiforme, and an occasional case of exfoliative dermatitis. Anaphylaxis is the most serious reaction experienced and has usually been associated with the parenteral dosage form of the drug.

**NOTE:** Urticaria, other skin rashes, and serum sickness-like reactions may be controlled by antihistamines, and, if necessary, systemic corticosteroids. Whenever such reactions occur, ampicillin should be discontinued unless, in the opinion of the physician, the condition being treated is life-threatening, and amenable only to ampicillin therapy. Serious anaphylactoid reactions require emergency measures (see **WARNINGS**).

**LIVER:** Moderate elevation in serum glutamic oxaloacetic transaminase (SGOT) has been noted, but the

significance of this finding is unknown.

**HEMIC AND LYMPHATIC SYSTEMS:** Anemia, thrombocytopenia, thrombocytopenic purpura, eosinophilia, leukopenia, and agranulocytosis have been reported during therapy with penicillins. These reactions are usually reversible on discontinuation of therapy and are believed to be hypersensitivity phenomena.

Other adverse reactions that have been reported with the use of ampicillin are laryngeal stridor and high fever. An occasional patient may complain of sore mouth or tongue as with any oral penicillin preparation.

## **OVERDOSAGE**

In case of overdosage, discontinue medication, treat symptomatically and institute supportive measures as required. In patients with renal function impairment, ampicillin-class antibiotics can be removed by hemodialysis but not by peritoneal dialysis.

## **DOSAGE AND ADMINISTRATION**

### **ADULTS AND CHILDREN WEIGHING OVER 20 KG:**

**For genitourinary or gastrointestinal tract infections other than gonorrhea in men and women,** the usual dose is 500 mg qid in equally spaced doses; severe or chronic infections may require larger doses. For the treatment of gonorrhea in both men and women, a single oral dose of 3.5 grams of ampicillin administered simultaneously with 1 gram of probenecid is recommended. Physicians are cautioned to use no less than the above recommended dosage for the treatment of gonorrhea. Follow-up cultures should be obtained from the original site(s) of infection 7 to 14 days after therapy. In women, it is also desirable to obtain culture test-of-cure from both the endocervical and anal canals. Prolonged intensive therapy is needed for complications such as prostatitis and epididymitis.

For **respiratory tract infections**, the usual dose is 250 mg qid in equally spaced doses.

### **CHILDREN WEIGHING 20 KG OR LESS:**

**For genitourinary or gastrointestinal tract infections**, the usual dose is 100 mg/kg/day total, qid in equally divided and spaced doses. For **respiratory infections**, the usual dose is 50 mg/kg/day total, in equally divided and spaced doses three to four times daily. Doses for children should not exceed doses recommended for adults.

### **ALL PATIENTS, IRRESPECTIVE OF AGE AND WEIGHT:**

Larger doses may be required for severe or chronic infections. Although ampicillin is resistant to degradation by gastric acid, it should be administered at least one-half hour before or two hours after meals for maximal absorption. Except for the single dose regimen for gonorrhea referred to above, therapy should be continued for a minimum of 48 to 72 hours after the patient becomes asymptomatic or evidence of bacterial eradication has been obtained. In infections caused by hemolytic strains of streptococci, a minimum of 10 days' treatment is recommended to guard against the risk of rheumatic fever of glomerulonephritis (see **PRECAUTIONS—Laboratory Tests**). In the treatment of chronic urinary or gastrointestinal infections, frequent bacteriologic and clinical appraisal is necessary during therapy and may be necessary for several months afterwards. Stubborn infections may require treatment for several weeks. Smaller doses than those indicated above should not be used.

## **HOW SUPPLIED**

Ampicillin Capsules, USP: Each capsule, for oral administration, contains ampicillin trihydrate equivalent to 250 mg or 500 mg ampicillin, and are supplied as:

**250 mg:** white, opaque, hard gelatin capsules, imprinted in black ink GG 850/GG 850.

NDC 0781-2144-01 in bottles of 100

NDC 0781-2144-05 in bottles of 500

**500 mg:** white, opaque, hard gelatin capsules, imprinted in black ink GG 851/GG 851.

NDC 0781-2145-01 in bottles of 100

NDC 0781-2145-05 in bottles of 500

Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].

Dispense in a tight container.

## REFERENCES

1. Clinical and Laboratory Standards Institute (CLSI). *Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically; Approved Standard - Tenth Edition*. CLSI document M07-A10, Clinical and Laboratory Standards Institute, 950 West Valley Road, Suite 2500, Wayne, Pennsylvania 19087, USA, 2015.
2. Clinical and Laboratory Standards Institute (CLSI). *Performance Standards for Antimicrobial Disk Diffusion Susceptibility Tests; Approved Standard – Twelfth Edition*. CLSI document M02-A12, Clinical and Laboratory Standards Institute, 950 West Valley Road, Suite 2500, Wayne, Pennsylvania 19087, USA, 2015.
3. Clinical and Laboratory Standards Institute (CLSI). *Performance Standards for Antimicrobial Susceptibility Testing; Twenty-fifth Informational Supplement*, CLSI document M100-S25. CLSI document M100-S25, Clinical and Laboratory Standards Institute, 950 West Valley Road, Suite 2500, Wayne, Pennsylvania 19087, USA, 2015.

07-2015M

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Manufactured in Austria by Sandoz GmbH for  
Sandoz Inc., Princeton, NJ 08540

## 250 mg Label

NDC 0781-2144-01

Ampicillin

Capsules, USP

250 mg

Rx only

100 Capsules

SANDOZ

NDC 0781-2144-01

**Ampicillin Capsules, USP**

**250 mg**



Rx only  
**100 Capsules**



Each capsule contains ampicillin trihydrate equivalent to 250 mg ampicillin.

**Usual Adult Dosage:** One or two capsules q.i.d. in equally spaced doses. See package insert. Store at 20°–25°C (68°–77°F) (see USP Controlled Room Temperature). Dispense in a tight container.

**KEEP THIS AND ALL DRUGS OUT OF THE REACH OF CHILDREN.**

Manufactured in Austria by Sandoz GmbH for Sandoz Inc., Princeton, NJ 08540  
07-2007 328544

Exp.:  
Lot:

### 500 mg Label

NDC 0781-2145-01

Ampicillin

Capsules, USP

500 mg

Rx only

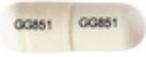
100 Capsules

SANDOZ

NDC 0781-2145-01

**Ampicillin Capsules, USP**

**500 mg**



Rx only  
**100 Capsules**



Each capsule contains ampicillin trihydrate equivalent to 500 mg ampicillin.

**Usual Adult Dosage:** One capsule q.i.d. in equally spaced doses. See package insert. Store at 20°–25°C (68°–77°F) (see USP Controlled Room Temperature). Dispense in a tight container.

**KEEP THIS AND ALL DRUGS OUT OF THE REACH OF CHILDREN.**

Manufactured in Austria by Sandoz GmbH for Sandoz Inc., Princeton, NJ 08540  
07-2007 328576

Exp.:  
Lot:

## AMPICILLIN

ampicillin capsule

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:0781-2144
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
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AMPICILLIN TRIHYDRATE (UNII: HXQ6A1N7R6) (AMPICILLIN - UNII:7C782967RD)		AMPICILLIN	250 mg	
<b>Inactive Ingredients</b>				
<b>Ingredient Name</b>		<b>Strength</b>		
AMMONIA (UNII: 5138Q19F1X)				
FERROSO FERRIC OXIDE (UNII: XM0M87F357)				
GELATIN (UNII: 2G86QN327L)				
MAGNESIUM STEARATE (UNII: 70097M6I30)				
POTASSIUM HYDROXIDE (UNII: WZH3C48M4T)				
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)				
SHELLAC (UNII: 46N107B71O)				
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)				
<b>Product Characteristics</b>				
<b>Color</b>	WHITE (opaque)	<b>Score</b>	no score	
<b>Shape</b>	CAPSULE	<b>Size</b>	18 mm	
<b>Flavor</b>		<b>Imprint Code</b>	GG850;GG850	
<b>Contains</b>				
<b>Packaging</b>				
<b>#</b>	<b>Item Code</b>	<b>Package Description</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
1	NDC:0781-2144-01	100 in 1 BOTTLE; Type 0: Not a Combination Product		
2	NDC:0781-2144-05	500 in 1 BOTTLE; Type 0: Not a Combination Product		
<b>Marketing Information</b>				
<b>Marketing Category</b>	<b>Application Number or Monograph Citation</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>	
ANDA	ANDA064082	08/29/1995		

<b>AMPICILLIN</b>			
ampicillin capsule			
<b>Product Information</b>			
<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:0781-2145
<b>Route of Administration</b>	ORAL		
<b>Active Ingredient/Active Moiety</b>			
<b>Ingredient Name</b>		<b>Basis of Strength</b>	<b>Strength</b>
AMPICILLIN TRIHYDRATE (UNII: HXQ6A1N7R6) (AMPICILLIN - UNII:7C782967RD)		AMPICILLIN	500 mg

## Inactive Ingredients

Ingredient Name	Strength
AMMONIA (UNII: 5138Q19F1X)	
FERROSO FERRIC OXIDE (UNII: XM0M87F357)	
GELATIN (UNII: 2G86QN327L)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
POTASSIUM HYDROXIDE (UNII: WZH3C48M4T)	
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	
SHELLAC (UNII: 46N107B71O)	
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)	

## Product Characteristics

Color	WHITE (opaque)	Score	no score
Shape	CAPSULE	Size	22mm
Flavor		Imprint Code	GG851;GG851
Contains			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0781-2145-01	100 in 1 BOTTLE; Type 0: Not a Combination Product		
2	NDC:0781-2145-05	500 in 1 BOTTLE; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA064082	08/29/1995	

**Labeler** - Sandoz Inc (110342024)

Revised: 8/2015

Sandoz Inc