

**CEPHALEXIN- cephalexin capsule**  
**CEPHALEXIN- cephalexin suspension**  
**Ranbaxy Pharmaceuticals Inc.**

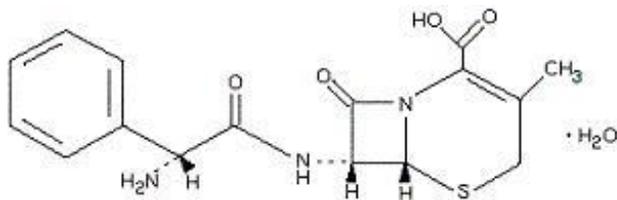
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**CEPHALEXIN CAPSULES, USP AND CEPHALEXIN FOR ORAL SUSPENSION, USP**  
**Rx only**

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

**DESCRIPTION**

Cephalexin, USP is a semisynthetic cephalosporin antibiotic intended for oral administration. It is 7-(D- $\alpha$ -amino- $\alpha$ -phenylacetamido)-3-methyl-3-cephem-4-carboxylic acid monohydrate. Cephalexin has the molecular formula  $C_{16}H_{17}N_3O_4S \cdot H_2O$  and the molecular weight is 365.41.

Cephalexin has the following structural formula:



The nucleus of cephalexin is related to that of other cephalosporin antibiotics. The compound is a zwitterion; i.e., the molecule contains both a basic and an acidic group. The isoelectric point of cephalexin in water is approximately 4.5 to 5.

The crystalline form of cephalexin which is available is a monohydrate. It is a white crystalline solid having a bitter taste. Solubility in water is low at room temperature; 1 or 2 mg/mL may be dissolved readily, but higher concentrations are obtained with increasing difficulty.

The cephalosporins differ from penicillins in the structure of the bicyclic ring system. Cephalexin has a *D*-phenylglycyl group as substituent at the 7-amino position and an unsubstituted methyl group at the 3-position.

Each capsule for oral administration, contains cephalexin monohydrate equivalent to 250 mg (720  $\mu$ mol) or 500 mg (1,439  $\mu$ mol) of cephalexin.

In addition, each capsule contains the following inactive ingredients: D&C Yellow No. 10, edible printing ink with black iron oxide, FD&C Green No. 3, FD&C Yellow No. 6, gelatin, lactose monohydrate, magnesium stearate and titanium dioxide.

Also, the 500 mg strength capsule contains FD&C Blue No.1.

After mixing, each 5 mL of Cephalexin for Oral Suspension will contain cephalexin monohydrate equivalent to 125 mg (360  $\mu$ mol) or 250 mg (720  $\mu$ mol) cephalexin. The suspensions also contain colloidal silicon dioxide, FD&C Red No. 40, sodium benzoate, strawberry flavor, sucrose and xanthan gum.

## CLINICAL PHARMACOLOGY

### ***Human Pharmacology***

Cephalexin is acid stable and may be given without regard to meals. It is rapidly absorbed after oral administration. Following doses of 250 mg, 500 mg, and 1 g, average peak serum levels of approximately 9, 18, and 32 mcg/mL respectively were obtained at 1 hour. Measurable levels were present 6 hours after administration. Cephalexin is excreted in the urine by glomerular filtration and tubular secretion. Studies showed that over 90% of the drug was excreted unchanged in the urine within 8 hours. During this period, peak urine concentrations following the 250 mg, 500 mg, and 1 g doses were approximately 1,000, 2,200, and 5,000 mcg/mL respectively.

### ***Microbiology***

*In vitro* tests demonstrate that the cephalosporins are bactericidal because of their inhibition of cell-wall synthesis. Cephalexin has been shown to be active against most strains of the following microorganisms both *in vitro* and in clinical infections as described in the **INDICATIONS AND USAGE** section

#### Aerobes, Gram-positive:

*Staphylococcus aureus* (including penicillinase-producing strains)

*Staphylococcus epidermidis* (penicillin-susceptible strains)

*Streptococcus pneumoniae*

*Streptococcus pyogenes*

#### Aerobes, Gram-negative:

*Escherichia coli*

*Haemophilus influenzae*

*Klebsiella pneumoniae*

*Moraxella (Branhamella) catarrhalis*

*Proteus mirabilis*

*Note* — Methicillin-resistant staphylococci and most strains of enterococci (*Enterococcus faecalis* [formerly *Streptococcus faecalis*]) are resistant to cephalosporins, including cephalexin. It is not active against most strains of *Enterobacter* spp, *Morganella morganii*, and *Proteus vulgaris*. It has no activity against *Pseudomonas* spp or *Acinetobacter calcoaceticus*.

### ***Susceptibility Tests***

Diffusion techniques:

Quantitative methods that require measurement of zone diameters provide reproducible estimates of the susceptibility of bacteria to antimicrobial compounds. One such standardized procedure<sup>1</sup> that has been recommended for use with disks to test the susceptibility of microorganisms to cephalexin uses the 30 mcg cephalothin disk. Interpretation involves correlation of the diameter obtained in the disk test with the minimal inhibitory concentration (MIC) for cephalexin.

Reports from the laboratory providing results of the standard single-disk susceptibility test with a 30 mcg cephalothin disk should be interpreted according to the following criteria:

Zone Diameter (mm)	Interpretation
≥ 18	(S) Susceptible
15 to 17	(I) Intermediate
≤ 14	(R) Resistant

A report of “Susceptible” indicates that the pathogen is likely to be inhibited by usually achievable concentrations of the antimicrobial compound in blood. A report of “Intermediate” indicates that the result should be considered equivocal, and, if 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 or in situations where high dosage of drug can be used. 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 usually achievable concentrations of the antimicrobial compound in the blood are unlikely to be inhibitory and that other therapy should be selected.

Measurement of MIC or MBC and achieved antimicrobial compound concentrations may be appropriate to guide therapy in some infections. (See **CLINICAL PHARMACOLOGY** section for information on drug concentrations achieved in infected body sites and other pharmacokinetic properties of this antimicrobial drug product.)

Standardized susceptibility test procedures require the use of laboratory control microorganisms. The 30 mcg cephalothin disk should provide the following zone diameters in these laboratory test quality control strains:

Microorganism	Zone Diameter (mm)
<i>E. coli</i> ATCC 25922	15 to 21
<i>S. aureus</i> ATCC 25923	29 to 37

Dilution techniques:

Quantitative methods that are used to determine MICs provide reproducible estimates of the susceptibility of bacteria to antimicrobial compounds. One such standardized procedure uses a standardized dilution method<sup>2</sup> (broth, agar, microdilution) or equivalent with cephalothin powder. The MIC values obtained should be interpreted according to the following criteria:

MIC (mcg/mL)	Interpretation
≤ 8	(S) Susceptible
16	(I) Intermediate
≤ 32	(R) Resistant

Interpretation should be as stated above for results using diffusion techniques.

As with standard diffusion techniques, dilution methods require the use of laboratory control microorganisms. Standard cephalothin powder should provide the following MIC values:

Microorganism	MIC (mcg/mL)
<i>E. coli</i> ATCC 25922	4 to 16
<i>E. faecalis</i> ATCC 29212	8 to 32
<i>S. aureus</i> ATCC 29213	0.12 to 0.5

## INDICATIONS AND USAGE

To reduce the development of drug-resistant bacteria and maintain the effectiveness of cephalexin capsules and cephalexin for oral suspension and other antibacterial drugs, cephalexin capsules and cephalexin for oral suspension 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.

Cephalexin is indicated for the treatment of the following infections when caused by susceptible strains of the designated microorganisms:

Respiratory tract infections caused by *S. pneumoniae* and *S. pyogenes* (Penicillin is the usual drug of choice in the treatment and prevention of streptococcal infections, including the prophylaxis of rheumatic fever. Cephalexin is generally effective in the eradication of streptococci from the nasopharynx; however, substantial data establishing the efficacy of cephalexin in the subsequent prevention of rheumatic fever are not available at present.)

Otitis media due to *S. pneumoniae*, *H. influenzae*, staphylococci, streptococci and *M. catarrhalis*

Skin and skin structure infections caused by staphylococci and/or streptococci

Bone infections caused by staphylococci and/or *P. mirabilis*

Genitourinary tract infections, including acute prostatitis, caused by *E. coli*, *P. mirabilis*, and *K. pneumoniae*

*Note* — Culture and susceptibility tests should be initiated prior to and during therapy. Renal function studies should be performed when indicated.

## CONTRAINDICATIONS

Cephalexin is contraindicated in patients with known allergy to the cephalosporin group of antibiotics.

## WARNINGS

BEFORE CEPHALEXIN THERAPY IS INSTITUTED, CAREFUL INQUIRY SHOULD BE MADE CONCERNING PREVIOUS HYPERSENSITIVITY REACTIONS TO CEPHALOSPORINS AND PENICILLIN. CEPHALOSPORIN C DERIVATIVES SHOULD BE GIVEN CAUTIOUSLY TO PENICILLIN-SENSITIVE PATIENTS.

SERIOUS ACUTE HYPERSENSITIVITY REACTIONS MAY REQUIRE EPINEPHRINE AND OTHER EMERGENCY MEASURES.

There is some clinical and laboratory evidence of partial cross-allergenicity of the penicillins and the cephalosporins. Patients have been reported to have had severe reactions (including anaphylaxis) to both drugs.

Any patient who has demonstrated some form of allergy, particularly to drugs, should receive antibiotics cautiously. No exception should be made with regard to cephalexin.

**Pseudomembranous colitis has been reported with nearly all antibacterial agents, including cephalexin, and may range from mild to life threatening. Therefore, it is important to consider this diagnosis in patients 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, appropriate 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 *Clostridium difficile* colitis.

*Usage in Pregnancy* — Safety of this product for use during pregnancy has not been established.

## **PRECAUTIONS**

### ***General***

Prescribing cephalexin capsules and cephalexin for oral suspension 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.

Patients should be followed carefully so that any side effects or unusual manifestations of drug idiosyncrasy may be detected. If an allergic reaction to cephalexin occurs, the drug should be discontinued and the patient treated with the usual agents (e.g., epinephrine or other pressor amines, antihistamines, or corticosteroids).

Prolonged use of cephalexin may result in the overgrowth of nonsusceptible organisms. Careful observation of the patient is essential. If superinfection occurs during therapy, appropriate measures should be taken.

Positive direct Coombs' tests have been reported during treatment with the cephalosporin antibiotics. In hematologic studies or in transfusion cross-matching procedures when antiglobulin tests are performed on the minor side or in Coombs' testing of newborns whose mothers have received cephalosporin antibiotics before parturition, it should be recognized that a positive Coombs' test may be due to the drug.

Cephalexin should be administered with caution in the presence of markedly impaired renal function. Under such conditions, careful clinical observation and laboratory studies should be made because safe dosage may be lower than that usually recommended.

Indicated surgical procedures should be performed in conjunction with antibiotic therapy.

As a result of administration of cephalexin, a false-positive reaction for glucose in the urine may occur. This has been observed with Benedict's and Fehling's solutions and also with Clinitest<sup>®</sup> tablets.

As with other  $\beta$ -lactams, the renal excretion of cephalexin is inhibited by probenecid.

Broad-spectrum antibiotics should be prescribed with caution in individuals with a history of gastrointestinal disease, particularly colitis.

### ***Information for Patients:***

Patients should be counseled that antibacterial drugs including cephalexin capsules and cephalexin for oral suspension should only be used to treat bacterial infections. They do not treat viral infections (e.g., the common cold). When cephalexin capsules and cephalexin for oral suspension 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 cephalexin capsules and cephalexin for oral suspension or other antibacterial drugs in the future.

### ***Usage in Pregnancy***

Pregnancy Category B — The daily oral administration of cephalexin to rats in doses of 250 or 500 mg/kg prior to and during pregnancy, or to rats and mice during the period of organogenesis only, had no adverse effect on fertility, fetal viability, fetal weight, or litter size. Note that the safety of cephalexin during pregnancy in humans has not been established.

Cephalexin showed no enhanced toxicity in weanling and newborn rats as compared with adult animals. Nevertheless, because the studies in humans cannot rule out the possibility of harm, cephalexin should be used during pregnancy only if clearly needed.

## ***Nursing Mothers***

The excretion of cephalexin in the milk increased up to 4 hours after a 500 mg dose; the drug reached a maximum level of 4 mcg/mL, then decreased gradually, and had disappeared 8 hours after administration. Caution should be exercised when cephalexin is administered to a nursing woman.

## ***Geriatric Use***

Published clinical studies in which the safety and efficacy of cephalexin in elderly patients was compared to that of younger patients included 433 patients who were 65 and over. No overall differences in safety or effectiveness were observed between these patients and younger patients, and other reported clinical experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out.

Cephalexin is known to be substantially excreted by the kidney, and the risk of toxic relations to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection, and it may be useful to monitor renal function (see PRECAUTIONS, *General*).

## **ADVERSE REACTIONS**

*Gastrointestinal* — Symptoms of pseudomembranous colitis may appear either during or after antibiotic treatment. Nausea and vomiting have been reported rarely. The most frequent side effect has been diarrhea. It was very rarely severe enough to warrant cessation of therapy. Dyspepsia, gastritis, and abdominal pain have also occurred. As with some penicillins and some other cephalosporins, transient hepatitis and cholestatic jaundice have been reported rarely.

*Hypersensitivity* — Allergic reactions in the form of rash, urticaria, angioedema, and, rarely, erythema multiforme, Stevens-Johnson syndrome, or toxic epidermal necrolysis have been observed. These reactions usually subsided upon discontinuation of the drug. In some of these reactions, supportive therapy may be necessary. Anaphylaxis has also been reported.

Other reactions have included genital and anal pruritus, genital moniliasis, vaginitis and vaginal discharge, dizziness, fatigue, headache, agitation, confusion, hallucinations, arthralgia, arthritis, and joint disorder. Reversible interstitial nephritis has been reported rarely. Eosinophilia, neutropenia, thrombocytopenia, and slight elevations in AST and ALT have been reported.

## **OVERDOSAGE**

*Signs and Symptoms* — Symptoms of oral overdose may include nausea, vomiting, epigastric distress, diarrhea, and hematuria. If other symptoms are present, it is probably secondary to an underlying disease state, an allergic reaction, or toxicity due to ingestion of a second medication.

*Treatment* — To obtain up-to-date information about the treatment of overdose, a good resource is your certified Regional Poison Control Center. Telephone numbers of certified poison control centers are listed in the *Physicians' Desk Reference (PDR)*. In managing overdosage, consider the possibility of multiple drug overdoses, interaction among drugs, and unusual drug kinetics in your patient.

Unless 5 to 10 times the normal dose of cephalexin has been ingested, gastrointestinal decontamination should not be necessary.

Protect the patient's airway and support ventilation and perfusion. Meticulously monitor and maintain, within acceptable limits, the patient's vital signs, blood gases, serum electrolytes, etc. Absorption of drugs from the gastrointestinal tract may be decreased by giving activated charcoal, which, in many cases, is more effective than emesis or lavage; consider charcoal instead of or in addition to gastric emptying. Repeated doses of charcoal over time may hasten elimination of some drugs that have been absorbed. Safeguard the patient's airway when employing gastric emptying or charcoal.

Forced diuresis, peritoneal dialysis, hemodialysis, or charcoal hemoperfusion have not been established as beneficial for an overdose of cephalexin; however, it would be extremely unlikely that one of these procedures would be indicated.

The oral median lethal dose of cephalexin in rats is 5,000 mg/kg.

## DOSAGE AND ADMINISTRATION

Cephalexin is administered orally.

*Adults*— The adult dosage ranges from 1 to 4 g daily in divided doses. The usual adult dose is 250 mg every 6 hours. For the following infections, a dosage of 500 mg may be administered every 12 hours: streptococcal pharyngitis, skin and skin structure infections, and uncomplicated cystitis in patients over 15 years of age. Cystitis therapy should be continued for 7 to 14 days. For more severe infections or those caused by less susceptible organisms, larger doses may be needed. If daily doses of cephalexin greater than 4 g are required, parenteral cephalosporins, in appropriate doses, should be considered.

*Pediatric Patients* — The usual recommended daily dosage for pediatric patients is 25 to 50 mg/kg in divided doses. For streptococcal pharyngitis in patients over 1 year of age and for skin and skin structure infections, the total daily dose may be divided and administered every 12 hours.

Cephalexin Suspension	
<u>Weight</u>	<u>125 mg/5 mL</u>
10 kg (22 lb)	1/2 to 1 tsp q.i.d.
20 kg (44 lb)	1 to 2 tsp q.i.d.
40 kg (88 lb)	2 to 4 tsp q.i.d.
<u>Weight</u>	<u>250 mg/5 mL</u>
10 kg (22 lb)	1/4 to 1/2 tsp q.i.d.
20 kg (44 lb)	1/2 to 1 tsp q.i.d.
40 kg (88 lb)	1 to 2 tsp q.i.d.
or	
<u>Weight</u>	<u>125 mg/5 mL</u>
10 kg (22 lb)	1 to 2 tsp q.i.d.
20 kg (44 lb)	2 to 4 tsp q.i.d.
40 kg (88 lb)	4 to 8 tsp q.i.d.
<u>Weight</u>	<u>250 mg/5 mL</u>
10 kg (22 lb)	1/2 to 1 tsp b.i.d.
20 kg (44 lb)	1 to 2 tsp b.i.d.
40 kg (88 lb)	2 to 4 tsp b.i.d.

In severe infections, the dosage may be doubled.

In the therapy of otitis media, clinical studies have shown that a dosage of 75 to 100 mg/kg/day in 4 divided doses is required.

In the treatment of  $\beta$ -hemolytic streptococcal infections, a therapeutic dosage of cephalexin should be administered for at least 10 days.

## HOW SUPPLIED

Cephalexin For Oral Suspension, USP is available in:

The 125 mg per 5 mL oral suspension\* is pink in color with a strawberry flavor and is available as

follows:

100 mL Bottles NDC 63304-958-01

200 mL Bottles NDC 63304-958-02

The 250 mg per 5 mL oral suspension\* is pink in color with a strawberry flavor and is available as follows:

100 mL Bottles NDC 63304-959-01

200 mL Bottles NDC 63304-959-02

\* After mixing, store in a refrigerator. May be kept for 14 days without significant loss of potency. Shake well before using. Keep tightly closed.

Cephalexin Capsules, USP are available in:

250 mg dark green and white, size 2, printed "RX656" on both cap and body.

(28s) NDC 63304-656-27

(100s) NDC 63304-656-01

(500s) NDC 63304-656-05

500 mg, dark green and light green, size 0, printed "RX657" on both cap and body.

(28s) NDC 63304-657-27

(100s) NDC 63304-657-01

(500s) NDC 63304-657-05

The bottle packages contain desiccant.

Dispense in tight, light-resistant container.

Store at 20 – 25° C (68 – 77° F). (See USP Controlled Room Temperature).

## **REFERENCES**

1. National Committee for Clinical Laboratory Standards: Performance standards for antimicrobial disk susceptibility tests - 5th ed. Approved Standard NCCLS Document M2-A5, Vol 13, No 24, NCCLS, Villanova, PA 1993.

2. National Committee for Clinical Laboratory Standards: Methods for dilution antimicrobial susceptibility tests for bacteria that grow aerobically -3rd ed. Approved Standard NCCLS Document M7-A3, Vol 13, No 25, NCCLS, Villanova, PA 1993.

Manufactured for:

Ranbaxy Pharmaceuticals Inc.

Jacksonville, FL 32216 USA

by: Ranbaxy Laboratories Limited

New Delhi, 110 019, India

January 2007

**PACKAGE LABEL.PRINCIPAL DISPLAY PANEL**

Manufactured for:  
Ranbaxy Pharmaceuticals Inc.  
Jacksonville, FL 32257 USA  
by: Ranbaxy Laboratories Ltd.  
New Delhi - 110 019, India

**RANBAXY**  
NDC 63304-656-01

**CEPHALEXIN**  
Capsules, USP

**250 mg**

Rx only

**100 Capsules**

Each capsule contains: Cephalexin monohydrate equivalent to 250 mg of cephalexin

Usual Adult Dosage: 250 mg every 6 hours. For more severe infections, dose may be increased, not to exceed 4 g a day. See literature for complete dosage information.

Keep tightly closed. Dispense in a tight, light-resistant container. Store at 20° - 25° C (68° - 77° F). (See USP Controlled Room Temperature). Protect from moisture.

This package contains desiccant.

0803



LOT: 50307420  
EXP:

non varnish area

250 mg Capsules Bottle Label

Manufactured for:  
Ranbaxy Pharmaceuticals Inc.  
Jacksonville, FL 32257 USA  
by: Ranbaxy Laboratories Ltd.  
New Delhi - 110 019, India

**RANBAXY**  
NDC 63304-657-01

**CEPHALEXIN**  
Capsules, USP

**500 mg**

Rx only

**100 Capsules**

Each capsule contains: Cephalexin monohydrate equivalent to 500 mg of cephalexin

Usual Adult Dosage: 250 mg every 6 hours. For more severe infections, dose may be increased, not to exceed 4 g a day. See literature for complete dosage information.

Keep tightly closed. Dispense in a tight, light-resistant container. Store at 20° - 25° C (68° - 77° F). (See USP Controlled Room Temperature). Protect from moisture.

This package contains desiccant.

0903



LOT: 50307400  
EXP:

non varnish area

500 mg Capsules Bottle Label

Manufactured for:  
Ranbaxy Pharmaceuticals Inc.  
Jacksonville, FL 32216 USA  
by: Ranbaxy Laboratories Ltd.  
New Delhi - 110 019, India

**RANBAXY**  
NDC 63304-958-02

**CEPHALEXIN**  
For Oral Suspension USP

**125 mg/5 mL**

200 mL (When Mixed)

Rx only

Usual Pediatric: Patient's Dose - 25 to 50 mg per kg per day in four divided doses. For more severe infections, dose may be doubled. See accompanying literature.

Contains cephalexin monohydrate equivalent to 5 g cephalexin in a dry pleasantly flavored mixture.

Prior to Mixing: Store at 20° - 25° C (68° - 77° F). (See USP Controlled Room Temperature).

Directions for Mixing - Add 140 mL of water in two portions to the dry mixture in the bottle. Shake well after each addition.

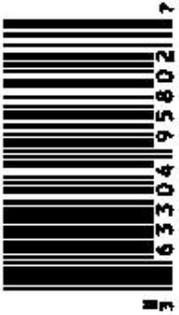
Each 5 mL (Approx. one teaspoonful) will then contain: Cephalexin Monohydrate equivalent to 125 mg Cephalexin.

Over-size bottle provides extra space for shaking.

Store in a refrigerator. May be kept for 14 days without significant loss of potency. Keep Tightly Closed. Discard unused portion after 14 days.

SHAKE WELL BEFORE USING

1103



LOT: 5030856  
EXP:

non varnish area

125 mg/5 mL Suspension Bottle Label

Manufactured for:  
 Ranbaxy Pharmaceuticals Inc.  
 Jacksonville, FL 32216 USA  
 by: Ranbaxy Laboratories Ltd.  
 New Delhi - 110 019, India

**R** **RANBAXY**  
 NDC 63304-959-02

**CEPHALEXIN**  
 For Oral Suspension USP

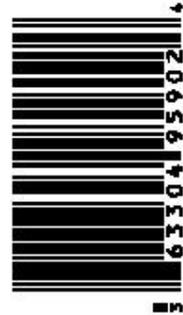
**250 mg/5 mL**

200 mL (When Mixed)

Rx only

Usual Pediatric Patient's Dose—25 to 50 mg per kg per day in four divided doses. For more severe infections, dose may be doubled.  
 See accompanying literature.  
 Contains cephalexin monohydrate equivalent to 10 g cephalexin in a dry pleasantly flavored mixture.  
 Prior to Mixing: Store at 20° - 25° C. (68° - 77° F) (See USP Controlled Room Temperature).  
 Directions for Mixing—Add 140mL of water in two portions to the dry mixture in the bottle. Shake well after each addition.  
 Each 5 mL (Approx. one teaspoonful) will then contain:  
 Cephalexin Monohydrate equivalent to 250 mg Cephalexin.  
 Oversize bottle provides extra space for shaking.  
 Store in a refrigerator. May be kept for 14 days without significant loss of potency. Keep Tightly Closed. Discard unused portion after 14 days.  
 SHAKE WELL BEFORE USING

1103



LOT:  
 EXP:  
 non va mish area



250 mg/5 mL Suspension Bottle Label

**CEPHALEXIN**

cephalexin capsule

**Product Information**

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:63304-656
<b>Route of Administration</b>	ORAL		

**Active Ingredient/Active Moiety**

Ingredient Name	Basis of Strength	Strength
CEPHALEXIN (UNII: OBN7UDS42Y) (CEPHALEXIN - UNII:OBN7UDS42Y)	CEPHALEXIN	250 mg

**Inactive Ingredients**

Ingredient Name	Strength
D&C YELLOW NO. 10 (UNII: 35SW5USQ3G)	
FERRIC OXIDE BLACK (UNII: XM0M87F357)	
FD&C GREEN NO. 3 (UNII: 3P3ONR6O1S)	
FD&C YELLOW NO. 6 (UNII: H77VEI93A8)	
GELATIN (UNII: 2G86QN327L)	
LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)	
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	

**Product Characteristics**

<b>Color</b>	green (dark green) , white (white)	<b>Score</b>	no score
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<b>Shape</b>	CAPSULE	<b>Size</b>	18mm	
<b>Flavor</b>		<b>Imprint Code</b>	RX656	
<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:63304-656-27	28 in 1 BOTTLE		
2	NDC:63304-656-01	100 in 1 BOTTLE		
3	NDC:63304-656-05	500 in 1 BOTTLE		
<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	ANDA065007	07/28/1998	08/29/2011	

<b>CEPHALEXIN</b>			
cephalexin capsule			
<b>Product Information</b>			
<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:63304-657
<b>Route of Administration</b>	ORAL		
<b>Active Ingredient/Active Moiety</b>			
	<b>Ingredient Name</b>	<b>Basis of Strength</b>	<b>Strength</b>
	CEPHALEXIN (UNII: OBN7UDS42Y) (CEPHALEXIN - UNII:OBN7UDS42Y)	CEPHALEXIN	500 mg
<b>Inactive Ingredients</b>			
	<b>Ingredient Name</b>	<b>Strength</b>	
	D&C YELLOW NO. 10 (UNII: 35SW5USQ3G)		
	FERRIC OXIDE BLACK (UNII: XM0M87F357)		
	FD&C BLUE NO. 1 (UNII: HBR47K3TBD)		
	FD&C GREEN NO. 3 (UNII: 3P3ONR6O1S)		
	FD&C YELLOW NO. 6 (UNII: H77VEI93A8)		
	GELATIN (UNII: 2G86QN327L)		
	LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)		
	MAGNESIUM STEARATE (UNII: 70097M6I30)		
	TITANIUM DIOXIDE (UNII: 15FIX9V2JP)		
<b>Product Characteristics</b>			
<b>Color</b>	green (light and dark green)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE	<b>Size</b>	22mm
<b>Flavor</b>		<b>Imprint Code</b>	RX657

**Contains****Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:63304-657-27	28 in 1 BOTTLE		
2	NDC:63304-657-01	100 in 1 BOTTLE		
3	NDC:63304-657-05	500 in 1 BOTTLE		

**Marketing Information**

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA065007	07/28/1998	08/29/2011

**CEPHALEXIN**

cephalexin suspension

**Product Information**

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:63304-958
Route of Administration	ORAL		

**Active Ingredient/Active Moiety**

Ingredient Name	Basis of Strength	Strength
CEPHALEXIN (UNII: OBN7UDS42Y) (CEPHALEXIN - UNII:OBN7UDS42Y)	CEPHALEXIN	125 mg in 5 mL

**Inactive Ingredients**

Ingredient Name	Strength
COLLOIDAL SILICON DIOXIDE (UNII: ETJ7Z6XBU4)	
FD&C RED NO. 40 (UNII: WZB9127XOA)	
SODIUM BENZOATE (UNII: OJ245FE5EU)	
STRAWBERRY (UNII: 4J2TY8Y81V)	
SUCROSE (UNII: C151H8M554)	
XANTHAN GUM (UNII: TTV12P4NEE)	

**Product Characteristics**

Color	pink	Score	
Shape		Size	
Flavor	STRAWBERRY	Imprint Code	
Contains			

**Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:63304-958-01	100 mL in 1 BOTTLE		
2	NDC:63304-958-02	200 mL in 1 BOTTLE		

Marketing Information			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA065081	10/29/2001	

CEPHALEXIN				
cephalexin suspension				
Product Information				
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:63304-959	
Route of Administration	ORAL			
Active Ingredient/Active Moiety				
Ingredient Name		Basis of Strength	Strength	
CEPHALEXIN (UNII: OBN7UDS42Y) (CEPHALEXIN - UNII:OBN7UDS42Y)		CEPHALEXIN	250 mg in 5 mL	
Inactive Ingredients				
Ingredient Name			Strength	
COLLOIDAL SILICON DIOXIDE (UNII: ETJ7Z6XBU4)				
FD&C RED NO. 40 (UNII: WZB9127XOA)				
SODIUM BENZOATE (UNII: OJ245FE5EU)				
STRAWBERRY (UNII: 4J2TY8Y81V)				
SUCROSE (UNII: C151H8M554)				
XANTHAN GUM (UNII: TTV12P4NEE)				
Product Characteristics				
Color	pink	Score		
Shape		Size		
Flavor	STRAWBERRY	Imprint Code		
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:63304-959-01	100 mL in 1 BOTTLE		
2	NDC:63304-959-02	200 mL in 1 BOTTLE		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA065081	10/29/2001	

**Labeler** - Ranbaxy Pharmaceuticals Inc. (937890044)

**Registrant** - Ranbaxy Pharmaceuticals Inc. (937890044)

## Establishment

Name	Address	ID/FEI	Business Operations
Ranbaxy Laboratories Limited		862358806	manufacture

Revised: 8/2011

Ranbaxy Pharmaceuticals Inc.