

# CLINDAMYCIN PHOSPHATE- clindamycin phosphate injection, solution

## Baxter Healthcare Corporation

-----

### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use CLINDAMYCIN PHOSPHATE IN SODIUM CHLORIDE injection safely and effectively. See full prescribing information for CLINDAMYCIN PHOSPHATE IN SODIUM CHLORIDE injection. CLINDAMYCIN PHOSPHATE IN SODIUM CHLORIDE injection, for intravenous use  
Initial U.S. Approval: 1989

#### **WARNING: CLOSTRIDIoidES DIFFICILE-ASSOCIATED DIARRHEA (CDAD) and COLITIS**

*See full prescribing information for complete boxed warning.*

*Clostridioides difficile*-associated diarrhea (CDAD) has been reported with use of nearly all antibacterial agents, including Clindamycin Phosphate in Sodium Chloride Injection and may range in severity from mild diarrhea to fatal colitis. Treatment with antibacterial agents alters the normal flora of the colon leading to overgrowth of *C. difficile* (5.1).

Because Clindamycin Phosphate in Sodium Chloride Injection therapy has been associated with severe colitis which may end fatally, it should be reserved for serious infections where less toxic antimicrobial agents are inappropriate (1). It should not be used in patients with nonbacterial infections such as most upper respiratory tract infections. *C. difficile* produces toxins A and B which contribute to the development of CDAD. Hypertoxin producing isolates of *C. difficile* cause increased morbidity and mortality, as these infections can be refractory to antimicrobial therapy and may require colectomy (5.1).

#### ----- RECENT MAJOR CHANGES -----

Dosage and Administration (2) 9/2022

Warnings and Precautions (5) 9/2022

#### ----- INDICATIONS AND USAGE -----

Clindamycin Phosphate in Sodium Chloride Injection contains clindamycin, a lincosamide antibacterial indicated for the treatment of the following in adult and pediatric patients for whom appropriate dosing with this formulation can be achieved:

- Serious infections caused by susceptible anaerobic bacteria (1.1)
- Infections Due to Susceptible Isolates of Streptococci, Pneumococci and Staphylococci. (1.2)
- Lower Respiratory Tract Infections. (1.3)
- Skin and Skin Structure Infections. (1.4)
- Gynecological Infections. (1.5)
- Intra-abdominal Infections. (1.6)
- Septicemia. (1.7)
- Bone and Joint Infections. (1.8)

#### Limitation of use

Since clindamycin does not diffuse adequately into the cerebrospinal fluid, Clindamycin Phosphate in Sodium Chloride Injection should not be used in the treatment of meningitis (1.9)

#### Usage

To reduce the development of drug-resistant bacteria and maintain the effectiveness of Clindamycin Phosphate in Sodium Chloride Injection and other antibacterial drugs, Clindamycin Phosphate in Sodium Chloride Injection should be used only to treat or prevent infections that are proven or strongly suspected to be caused by susceptible bacteria. (1.10)

#### ----- DOSAGE AND ADMINISTRATION -----

- If a dose of Clindamycin Phosphate in Sodium Chloride Injection is required that does not equal 300 mg 600 mg or 900 mg, this product is not recommended for use and an alternative formulation of clindamycin should be considered. (2.1)
- Recommended Adult Dosage: Serious infections due to aerobic gram-positive cocci and the more susceptible anaerobes (NOT generally including *Bacteroides fragilis*, *Peptococcus* species and

*Clostridioides* species other than *Clostridium perfringens*): 600–1200 mg/day in 2, 3 or 4 equal doses by intravenous infusion. (2.2)

- More severe infections, particularly those due to proven or suspected *Bacteroides fragilis*, *Peptococcus* species, or *Clostridium* species other than *Clostridium perfringens*: 1200–2700 mg/day in 2, 3 or 4 equal doses by intravenous infusion. (2.2)
- Dosage in Pediatric Patients (1 Month of Age to 16 Years): 20 to 40 mg/kg/day in 3 or 4 equal doses by intravenous infusion. (2.3)
- Alternative Pediatric Patients Dosing: 350 mg/m<sup>2</sup>/day for serious infections and 450 mg/m<sup>2</sup>/day for more severe infections. (2.3)
- Dosage in Neonates (Less than 1 Month of Age): 15 to 20 mg/kg/day in 3 to 4 equal doses by intravenous infusion. (2.3)

#### ----- **DOSAGE FORMS AND STRENGTHS** -----

Each 50 mL of Clindamycin Phosphate in Sodium Chloride Injection, 300 mg/50 mL (6 mg/mL), 600 mg/50 mL (12 mg/mL), and 900 mg/50 mL (18 mg/mL) contains 300 mg, 600 mg, or 900 mg clindamycin, respectively (as clindamycin phosphate, USP), in a single-dose GALAXY container. (3)

#### ----- **CONTRAINDICATIONS** -----

Individuals with a history of hypersensitivity to preparations containing clindamycin or lincomycin. (4)

#### ----- **WARNINGS AND PRECAUTIONS** -----

- Anaphylactic shock, anaphylactic reactions and severe hypersensitivity reactions have been reported. Discontinue treatment if such reactions occur. (5.2)
- Cases with acute kidney injury (AKI) have been reported during treatment with clindamycin. Consider renal function monitoring, particularly in certain patients (e.g., those with pre-existing renal dysfunction). Discontinue treatment, if AKI occurs and no other etiology is identified. (5.3)
- Elderly patients with associated severe illness may have a greater risk of developing adverse reactions from diarrhea. Monitor these patients carefully for change in bowel frequency. (5.4)
- Avoid use of Clindamycin Phosphate in Sodium Chloride Injection in individuals with a history of gastrointestinal disease, particularly colitis. (5.5)
- Avoid use of Clindamycin Phosphate in Sodium Chloride Injection in atopic individuals. (5.6)
- During prolonged therapy, perform periodic liver and kidney function tests and blood counts. (5.7)
- The use of Clindamycin Phosphate in Sodium Chloride Injection may result in overgrowth of nonsusceptible organisms—particularly yeasts. Take appropriate measures, if this occurs. (5.8)

#### ----- **ADVERSE REACTIONS** -----

Most common adverse reactions: gastrointestinal (abdominal pain, nausea, vomiting) and hypersensitivity reactions (anaphylaxis, urticaria, skin rash). (6)

**To report SUSPECTED ADVERSE REACTIONS, contact Baxter Healthcare at 1-866-888-2472 or the FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

#### ----- **DRUG INTERACTIONS** -----

- Neuromuscular blocking properties that may enhance the action of other neuromuscular blocking agents. (7.1)
- Monitor for adverse reactions when strong CYP3A4 and/or CYP3A5 inhibitors are coadministered with clindamycin. (7.2)
- In the presence of strong CYP3A4 and/or CYP3A5 inducers such as rifampicin, monitor for loss of effectiveness. (7.3)

#### ----- **USE IN SPECIFIC POPULATIONS** -----

- Pediatric Use: Appropriate monitoring of organ system functions is desirable. (8.4)
- Geriatric Use: Monitor for development of diarrhea. (8.5)

**See 17 for PATIENT COUNSELING INFORMATION.**

**Revised: 9/2022**

---

**FULL PRESCRIBING INFORMATION: CONTENTS\***

**WARNING: *CLOSTRIDIoidES DIFFICILE*-ASSOCIATED DIARRHEA (CDAD) and**

# **COLITIS**

## **1 INDICATIONS AND USAGE**

- 1.1 Infections Due to Susceptible Anaerobic Bacteria
- 1.2 Infections Due to Susceptible Isolates of Streptococci, Pneumococci and Staphylococci
- 1.3 Lower Respiratory Tract Infections
- 1.4 Skin and Skin Structure Infections
- 1.5 Gynecological Infections
- 1.6 Intra-abdominal Infections
- 1.7 Septicemia
- 1.8 Bone and Joint Infections
- 1.9 Limitations of Use
- 1.10 Usage

## **2 DOSAGE AND ADMINISTRATION**

- 2.1 Important Administration and Discontinuation Instructions
- 2.2 Recommended Adult Dosage
- 2.3 Dosage in Pediatric Patients
- 2.4 Directions for Use of Clindamycin Phosphate in Sodium Chloride Injection in GALAXY Plastic Container

## **3 DOSAGE FORMS AND STRENGTHS**

## **4 CONTRAINDICATIONS**

## **5 WARNINGS AND PRECAUTIONS**

- 5.1 *Clostridioides difficile*-Associated Diarrhea
- 5.2 Anaphylactic and Severe Hypersensitivity Reactions
- 5.3 Nephrotoxicity
- 5.4 Diarrhea in Elderly Patients with Associated Severe Illness
- 5.5 Use in Patients with Gastrointestinal Disease
- 5.6 Use in Atopic Individuals
- 5.7 Laboratory Tests: Monitoring to Assess Safety
- 5.8 Overgrowth of Nonsusceptible Organisms
- 5.9 Development of Drug-Resistant Bacteria

## **6 ADVERSE REACTIONS**

## **7 DRUG INTERACTIONS**

- 7.1 Neuromuscular Blocking Agents
- 7.2 Inhibitors of CYP3A4 and CYP3A5
- 7.3 Inducers of CYP3A4 and CYP3A5

## **8 USE IN SPECIFIC POPULATIONS**

- 8.1 Pregnancy
- 8.2 Lactation
- 8.4 Pediatric Use
- 8.5 Geriatric Use

## **10 OVERDOSAGE**

## **11 DESCRIPTION**

## **12 CLINICAL PHARMACOLOGY**

- 12.1 Mechanism of Action
- 12.3 Pharmacokinetics
- 12.4 Microbiology

## **13 NONCLINICAL TOXICOLOGY**

- 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

## **15 REFERENCES**

## 16 HOW SUPPLIED/STORAGE AND HANDLING

## 17 PATIENT COUNSELING INFORMATION

\* Sections or subsections omitted from the full prescribing information are not listed.

---

### FULL PRESCRIBING INFORMATION

#### **WARNING: *CLOSTRIDIoidES DIFFICILE*-ASSOCIATED DIARRHEA (CDAD) and COLITIS**

*Clostridioides difficile*-associated diarrhea (CDAD) has been reported with use of nearly all antibacterial agents, including Clindamycin Phosphate in Sodium Chloride Injection and may range in severity from mild diarrhea to fatal colitis. Treatment with antibacterial agents alters the normal flora of the colon leading to overgrowth of *C. difficile*.

Because Clindamycin Phosphate in Sodium Chloride Injection therapy has been associated with severe colitis which may end fatally, it should be reserved for serious infections where less toxic antimicrobial agents are inappropriate [see *Indications and Usage (1)*]. It should not be used in patients with nonbacterial infections such as most upper respiratory tract infections. *C. difficile* produces toxins A and B which contribute to the development of CDAD. Hypertoxin producing strains of *C. difficile* cause increased morbidity and mortality, as these infections can be refractory to antimicrobial therapy and may require colectomy. CDAD must be considered in all patients who present with diarrhea following antibacterial use. Careful medical history is necessary since CDAD has been reported to occur over two months after the administration of antibacterial agents.

If CDAD is suspected or confirmed, ongoing antibacterial use not directed against *C. difficile* may need to be discontinued. Appropriate fluid and electrolyte management, protein supplementation, antibacterial treatment of *C. difficile*, and surgical evaluation should be instituted as clinically indicated [see *Warnings and Precautions (5.1)*].

### 1 INDICATIONS AND USAGE

#### 1.1 Infections Due to Susceptible Anaerobic Bacteria

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious infections caused by susceptible anaerobic bacteria in adults and pediatric patients for whom appropriate dosing with this formulation can be achieved [see *Indications and Usage (1.3 - 1.7)*].

#### 1.2 Infections Due to Susceptible Isolates of Streptococci, Pneumococci and Staphylococci

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious infections due to susceptible isolates of streptococci, pneumococci, and staphylococci in adults and pediatric patients for whom appropriate dosing with this formulation can be achieved. Its use should be reserved for penicillin-allergic patients or other patients for whom, in the judgment of the physician, a penicillin is inappropriate. Because of the risk of antibacterial-associated pseudomembranous colitis, [see *Boxed Warning*], before selecting clindamycin the physician should consider the nature of the infection and the suitability of less toxic alternatives (e.g., erythromycin).

Bacteriologic studies should be performed to determine the causative organisms and their susceptibility to clindamycin.

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

### **1.3 Lower Respiratory Tract Infections**

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious lower respiratory tract infections including pneumonia, empyema, and lung abscess caused by susceptible isolates of anaerobes, *Streptococcus pneumoniae*, other streptococci (except *E. faecalis*), and *Staphylococcus aureus* in adults and pediatric patients for whom appropriate dosing with this formulation can be achieved.

### **1.4 Skin and Skin Structure Infections**

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious skin and skin structure infections caused by susceptible isolates of *Streptococcus pyogenes*, *Staphylococcus aureus*, and anaerobes in adults and pediatric patients for whom appropriate dosing with this formulation can be achieved.

### **1.5 Gynecological Infections**

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious gynecological infections including endometritis, nongonococcal tubo-ovarian abscess, pelvic cellulitis, and postsurgical vaginal cuff infection caused by susceptible anaerobes in adults and pediatric patients for whom appropriate dosing with this formulation can be achieved.

### **1.6 Intra-abdominal Infections**

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious intra-abdominal infections including peritonitis and intra-abdominal abscess caused by susceptible anaerobic organisms in adults and pediatric patients for whom appropriate dosing with this formulation can be achieved.

### **1.7 Septicemia**

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious septicemia caused by susceptible isolates of *Staphylococcus aureus*, streptococci (except *Enterococcus faecalis*), and susceptible anaerobes in adults and pediatric patients for whom appropriate dosing with this formulation can be achieved.

### **1.8 Bone and Joint Infections**

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious bone and joint infections including acute hematogenous osteomyelitis caused by susceptible isolates of *Staphylococcus aureus* and as adjunctive therapy in the surgical treatment of chronic bone and joint infections due to susceptible organisms in adults and pediatric patients for whom appropriate dosing with this formulation can be achieved.

### 1.9 Limitations of Use

Since clindamycin does not diffuse adequately into the cerebrospinal fluid, Clindamycin Phosphate in Sodium Chloride Injection should not be used in the treatment of meningitis [see *Clinical Pharmacology (12.3)*].

### 1.10 Usage

To reduce the development of drug-resistant bacteria and maintain the effectiveness of Clindamycin Phosphate in Sodium Chloride Injection and other antibacterial drugs, Clindamycin Phosphate in Sodium Chloride Injection 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.

## 2 DOSAGE AND ADMINISTRATION

### 2.1 Important Administration and Discontinuation Instructions

If a dose of Clindamycin Phosphate in Sodium Chloride Injection is required that does not equal 300 mg, 600 mg, or 900 mg, this product is not recommended for use and an alternative formulation of clindamycin should be considered.

Administer Clindamycin Phosphate in Sodium Chloride Injection by intravenous infusion over at least 10 minutes. Infusion rates should NOT exceed 30 mg per minute. The usual infusion rates are described in Table 1.

**Table 1: Usual Infusion Rates for the Administration of Clindamycin Phosphate in Sodium Chloride Injection**

Dose	Time
300 mg	10 min
600 mg	20 min
900 mg	30 min

Discontinue Clindamycin Phosphate in Sodium Chloride Injection if diarrhea occurs during therapy [see *Boxed Warning*].

### 2.2 Recommended Adult Dosage

The recommended dosing regimen for Clindamycin Phosphate in Sodium Chloride Injection is 600-1200 mg/day in 2, 3, or 4 equal doses by intravenous infusion for

serious infections due to aerobic gram-positive cocci and the more susceptible anaerobes (NOT generally including *Bacteroides fragilis*, *Peptococcus* species and *Clostridium* species other than *Clostridium perfringens*).

For more severe infections, particularly those due to proven or suspected *Bacteroides fragilis*, *Peptococcus* species, or *Clostridium* species other than *Clostridium perfringens*, the recommended dosing regimen is 1200-2700 mg/day in 2, 3, or 4 equal doses by intravenous infusion.

In life-threatening situations, these doses may be increased. Doses of as much as 4800 mg daily have been given intravenously to adults.

Alternatively, drug may be administered in the form of a single rapid infusion of the first dose followed by continuous intravenous infusion as follows:

**Table 2: Infusion Rates for the Administration of Clindamycin Injection by Single Rapid Infusion followed by Continuous Intravenous Infusion for the Maintenance of Serum Clindamycin Levels**

To maintain serum clindamycin levels	Rapid infusion rate	Maintenance infusion rate
Above 4 mcg/mL	10 mg/min for 30 min	0.75 mg/min
Above 5 mcg/mL	15 mg/min for 30 min	1.00 mg/min
Above 6 mcg/mL	20 mg/min for 30 min	1.25 mg/min

### 2.3 Dosage in Pediatric Patients

If a dose of Clindamycin Phosphate in Sodium Chloride Injection is required that does not equal 300 mg, 600 mg or 900 mg, this product is not recommended for use and an alternative formulation of clindamycin should be considered. The recommended pediatric dosing regimen of Clindamycin Phosphate in Sodium Chloride Injection is as follows:

#### Pediatric patients (1 month of age to 16 years old):

The recommended dosage is 20 to 40 mg/kg/day in 3 or 4 equal doses.

The higher doses would be used for more severe infections. As an alternative to dosing on a body weight basis, pediatric patients may be dosed on the basis of square meters body surface: 350 mg/m<sup>2</sup>/day for serious infections and 450 mg/m<sup>2</sup>/day for more severe infections.

Parenteral therapy may be changed to oral formulations of clindamycin when the condition warrants and at the discretion of the physician.

In cases of  $\beta$ -hemolytic streptococcal infections, treatment should be continued for at least 10 days.

#### Pediatric Patients (less than 1 month):

The recommended dosage is 15 to 20 mg/kg/day in 3 to 4 equal doses. See Table 3 regarding the dosing regimen for pediatric patients with post-menstrual age (PMA) less than or equal to 32 weeks or greater than 32 weeks to less than or equal to 40 weeks.

**Table 3: Dosing Regimens for Pediatric Patients with PMA less than or equal**

**to 32 weeks, or greater than 32 weeks to less than or equal to 40 weeks**

<b>PMA (weeks)</b>	<b>Dose (mg/kg)</b>	<b>Dosing Interval (hours)</b>
<b>Less than or equal to 32</b>	5	8
<b>Greater than or equal to 32 weeks to less than or equal to 40</b>	7	8

PMA: Post-Menstrual Age

## **2.4 Directions for Use of Clindamycin Phosphate in Sodium Chloride Injection in GALAXY Plastic Container**

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration, whenever solution and container permit.

Premixed Clindamycin Phosphate in Sodium Chloride Injection is for intravenous infusion using sterile equipment. Check for minute leaks prior to use by squeezing bag firmly. If leaks are found, discard solution as sterility may be impaired. Do **NOT** add supplementary medication. Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit. Do **NOT** use unless solution is clear and seal is intact.

Do **NOT** use plastic containers in series connections. Such use could result in air embolism due to residual air being drawn from the primary container before administration of the fluid from the secondary container is complete.

Clindamycin Phosphate in Sodium Chloride Injection should **not** be injected intravenously undiluted as a bolus, but should be infused over at least 10 minutes.

### Preparation for Administration:

1. Suspend container from eyelet support.
2. Remove protector from outlet port at bottom of container.
3. Attach administration set. Refer to complete directions accompanying set.

## **3 DOSAGE FORMS AND STRENGTHS**

Injection: Clindamycin Phosphate in Sodium Chloride Injection is a clear, colorless and sterile solution available in three strengths:

- 300 mg/50 mL (6 mg/mL): Each 50 mL single-dose GALAXY container contains 300 mg clindamycin (as clindamycin phosphate, USP) in 0.9% sodium chloride.
- 600 mg/50 mL (12 mg/mL): Each 50 mL single-dose GALAXY container contains 600 mg clindamycin (as clindamycin phosphate, USP) in 0.9% sodium chloride.
- 900 mg/50 mL (18 mg/mL): Each 50 mL single-dose GALAXY container contains 900 mg clindamycin (as clindamycin phosphate, USP) in 0.9% sodium chloride.

## **4 CONTRAINDICATIONS**

Clindamycin Phosphate in Sodium Chloride Injection is contraindicated in individuals with a history of hypersensitivity to preparations containing clindamycin or lincomycin.



## **5 WARNINGS AND PRECAUTIONS**

### **5.1 *Clostridioides difficile*-Associated Diarrhea**

*Clostridioides difficile*-associated diarrhea (CDAD) has been reported with use of nearly all antibacterial agents, including Clindamycin Phosphate in Sodium Chloride Injection, and may range in severity from mild diarrhea to fatal colitis. Treatment with antibacterial agents alters the normal flora of the colon leading to overgrowth of *C. difficile*.

*C. difficile* produces toxins A and B which contribute to the development of CDAD. Hypertoxin producing isolates of *C. difficile* cause increased morbidity and mortality, as these infections can be refractory to antimicrobial therapy and may require colectomy. CDAD must be considered in all patients who present with diarrhea following antibacterial use. Careful medical history is necessary since CDAD has been reported to occur over two months after the administration of antibacterial agents.

If CDAD is suspected or confirmed, ongoing antibacterial use not directed against *C. difficile* may need to be discontinued. Appropriate fluid and electrolyte management, protein supplementation, antibacterial treatment of *C. difficile*, and surgical evaluation should be instituted as clinically indicated [see *Boxed Warning*].

### **5.2 Anaphylactic and Severe Hypersensitivity Reactions**

Anaphylactic shock and anaphylactic reactions have been reported [see *Adverse Reactions (6)*]. Severe hypersensitivity reactions, including severe skin reactions such as toxic epidermal necrolysis (TEN), drug reaction with eosinophilia and systemic symptoms (DRESS), and Stevens-Johnson syndrome (SJS), some with fatal outcome, have been reported [see *Adverse Reactions (6)*].

In case of such an anaphylactic or severe hypersensitivity reaction, discontinue treatment permanently and institute appropriate therapy.

A careful inquiry should be made concerning previous sensitivities to drugs and other allergens.

### **5.3 Nephrotoxicity**

Clindamycin is potentially nephrotoxic and cases with acute kidney injury have been reported. Consider monitoring of renal function particularly in patients with pre-existing renal dysfunction or those taking concomitant nephrotoxic drugs. In case of acute kidney injury, discontinue Clindamycin Phosphate in Sodium Chloride Injection when no other etiology is identified [see *Adverse Reactions (6)*].

### **5.4 Diarrhea in Elderly Patients with Associated Severe Illness**

Elderly patients with associated severe illness may have a greater risk of developing adverse reactions from diarrhea. When clindamycin is indicated in these patients, they should be carefully monitored for change in bowel frequency [see *Use in Specific Populations (8.5)*].

### **5.5 Use in Patients with Gastrointestinal Disease**

Clindamycin Phosphate in Sodium Chloride Injection products should be avoided in individuals with a history of gastrointestinal disease, particularly colitis.

## **5.6 Use in Atopic Individuals**

Clindamycin Phosphate in Sodium Chloride Injection should be avoided in atopic individuals.

## **5.7 Laboratory Tests: Monitoring to Assess Safety**

During prolonged therapy periodic liver and kidney function tests and blood counts should be performed.

Clindamycin dosage modification is not necessary in patients with renal disease. In patients with moderate to severe liver disease, prolongation of clindamycin half-life has been found. However, it was postulated from studies that when given every eight hours, accumulation should rarely occur.

Therefore, dosage modification in patients with liver disease may not be necessary. However, periodic liver enzyme determinations should be made when treating patients with severe liver disease.

## **5.8 Overgrowth of Nonsusceptible Organisms**

The use of Clindamycin Phosphate in Sodium Chloride Injection may result in overgrowth of nonsusceptible organisms-particularly yeasts. If such infections occur, appropriate measures should be taken as indicated by the clinical situation.

## **5.9 Development of Drug-Resistant Bacteria**

Prescribing Clindamycin Phosphate in Sodium Chloride Injection 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.

## **6 ADVERSE REACTIONS**

The following serious adverse reactions to clindamycin are described below and elsewhere in the labeling:

- *Clostridioides difficile*-Associated Diarrhea [see Warnings and Precautions (5.1)]
- Anaphylactic and Severe Hypersensitivity Reactions [see Warnings and Precautions (5.2)]
- Nephrotoxicity [see Warnings and Precautions (5.3)]

The following adverse reactions associated with the use of clindamycin were identified in clinical trials or postmarketing reports. Because these reactions were reported voluntarily from a population of uncertain size, it is not always possible to estimate their frequency reliably, or to establish a causal relationship to drug exposure.

### **Infections and Infestations**

*Clostridioides difficile* colitis

### **Gastrointestinal**

Antibacterial-associated colitis [see *Warnings and Precautions (5.1)*], pseudomembranous colitis, abdominal pain, nausea, and vomiting. The onset of pseudomembranous colitis symptoms may occur during or after antibacterial treatment [see *Warnings and Precautions (5.1)*]. An unpleasant or metallic taste has been reported after intravenous administration of the higher doses of clindamycin phosphate.

### **Hypersensitivity Reactions**

Maculopapular rash and urticaria have been observed during drug therapy. Generalized mild to moderate morbilliform-like skin rashes are the most frequently reported of all adverse reactions.

Severe skin reactions such as Toxic Epidermal Necrolysis, some with fatal outcome, have been reported [see *Warnings and Precautions (5.2)*]. Cases of Acute Generalized Exanthematous Pustulosis (AGEP), erythema multiforme, some resembling Stevens-Johnson syndrome, have been associated with clindamycin. Anaphylactic shock, anaphylactic reaction and hypersensitivity have also been reported [see *Warnings and Precautions (5.2)*].

### **Skin and Mucous Membranes**

Pruritus, vaginitis, angioedema and rare instances of exfoliative dermatitis have been reported [see *Warnings and Precautions (5.2)*].

### **Liver**

Jaundice and abnormalities in liver function tests have been observed during clindamycin therapy.

### **Renal**

Acute kidney injury [see *Warnings and Precautions (5.3)*].

### **Hematopoietic**

Transient neutropenia (leukopenia) and eosinophilia have been reported. Reports of agranulocytosis and thrombocytopenia have been made.

### **Immune System**

Drug reaction with eosinophilia and systemic symptoms (DRESS) cases have been reported.

### **Local Reactions**

Thrombophlebitis has been reported after intravenous infusion. Avoid prolonged use of indwelling intravenous catheters.

### **Musculoskeletal**

Polyarthritides cases have been reported.

### **Cardiovascular**

Cardiopulmonary arrest and hypotension have been reported following too rapid intravenous administration [see *Dosage and Administration (2)*].

## **7 DRUG INTERACTIONS**

## 7.1 Neuromuscular Blocking Agents

Clindamycin has been shown to have neuromuscular blocking properties that may enhance the action of other neuromuscular blocking agents. Therefore, it should be avoided in patients receiving such agents.

## 7.2 Inhibitors of CYP3A4 and CYP3A5

Inhibitors of CYP3A4 and/or CYP3A5 may increase plasma concentrations of clindamycin [see *Clinical Pharmacology (12.3)*]. Monitor for adverse reactions when strong CYP3A4 and/or CYP3A5 inhibitors are coadministered with clindamycin.

## 7.3 Inducers of CYP3A4 and CYP3A5

Inducers of CYP3A4 and/or CYP3A5 may reduce plasma concentrations of clindamycin. In the presence of strong CYP3A4 and/or CYP3A5 inducers such as rifampicin, monitor for loss of effectiveness.

## 8 USE IN SPECIFIC POPULATIONS

### 8.1 Pregnancy

#### Risk Summary

In limited published clinical trials with pregnant women, the systemic administration of clindamycin during the second and third trimesters, has not been associated with an increased frequency of major birth defects.

The limited published data on use of clindamycin in pregnant women with exposure during the first trimester are insufficient to inform a drug-associated risk of pregnancy-related adverse outcomes [see *Data*]. In animal reproduction studies, no evidence of any adverse developmental outcomes was observed when oral or subcutaneous doses of clindamycin were administered to pregnant rats and mice during organogenesis at doses half to twice the highest clinically relevant dose based on body surface area comparison [see *Data*]. The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and 15-20%, respectively.

#### Data

##### *Human Data*

In limited published trials in pregnant women administered clindamycin during the first trimester of pregnancy, there was no difference in the rate of major birth defects reported among in utero exposed infants compared to unexposed infants. From these observational data, it is not possible to draw any conclusions on the rate of specific major birth defects associated with clindamycin. These data cannot definitely establish or exclude any clindamycin-associated risk during pregnancy.

##### *Animal Data*

Reproduction studies performed during organogenesis (gestational days 6-15) in pregnant rats and mice that were administered oral doses of clindamycin up to 600 mg/kg/day (twice or equivalent to the highest recommended adult human dose based on a body surface area comparison, respectively) or subcutaneous doses of clindamycin up to 250 mg/kg/day (equivalent to or half the highest recommended adult human dose based on a body surface area comparison, respectively) revealed no evidence of teratogenicity.

## **8.2 Lactation**

### Risk Summary

Clindamycin has been reported to appear in breast milk in the range of less than 0.5 to 3.8 mcg/mL at dosages of 150 mg orally to 600 mg intravenously. Clindamycin has the potential to cause adverse effects on the breastfed infant's gastrointestinal flora.

The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for clindamycin and any potential adverse effects on the breast-fed child from clindamycin or from the underlying maternal condition.

### Clinical Considerations

If oral or intravenous clindamycin is required by a nursing mother, it is not a reason to discontinue breastfeeding, but an alternate drug may be preferred. Monitor the infant for possible adverse effects on the gastrointestinal flora, such as diarrhea, candidiasis (thrush, diaper rash) or blood in the stool indicating possible antibacterial-associated colitis.

## **8.4 Pediatric Use**

Clindamycin Phosphate in Sodium Chloride Injection is indicated for the treatment of serious infections caused by susceptible anaerobic bacteria, infections due to susceptible isolates of streptococci, pneumococci and staphylococci, lower respiratory tract infections, skin and skin structure infections, gynecological infections, intra-abdominal infections, septicemia and bone and joint infections in pediatric patients for whom appropriate dosing with this formulation can be achieved [*see Indications and Usage (1.1-1.8)*] and *Dosage and Administration (2.3)*].

When Clindamycin Phosphate in Sodium Chloride Injection is administered to the pediatric population (less than 1 month to 16 years old) appropriate dosing and monitoring of organ system functions is desirable. Because of the limitations of the available strengths and administration requirements (i.e., administration of fractional doses is not recommended) of Clindamycin Phosphate in Sodium Chloride Injection, and to avoid unintentional overdose, this product is not recommended for use if a dose of Clindamycin Phosphate in Sodium Chloride Injection is required that does not equal 300 mg, 600 mg or 900 mg is required and an alternative formulation of clindamycin should be considered [*see Dosage and Administration (2.3)*].

The potential for the toxic effect in the pediatric population from chemicals that may leach from the single dose premixed Clindamycin Phosphate in Sodium Chloride Injection preparation in plastic has not been evaluated.

## **8.5 Geriatric Use**

Clinical studies of clindamycin did not include sufficient numbers of patients age 65 and over to determine whether they respond differently from younger patients. However, other reported clinical experience indicates that antibacterial-associated colitis and diarrhea (due to *Clostridioides difficile*) seen in association with most antibacterial drugs occur more frequently in the elderly (>60 years) and may be more severe. These patients should be carefully monitored for the development of diarrhea.

Pharmacokinetic studies with clindamycin have shown no clinically important differences between young and elderly subjects with normal hepatic function and normal (age-adjusted) renal function after oral or intravenous administration [see *Clinical Pharmacology* (12.3)].

## 10 OVERDOSAGE

Significant mortality was observed in mice at an intravenous dose of 855 mg/kg (~3 times the human dose based on body surface area) and in rats at an oral or subcutaneous dose of approximately 2618 mg/kg (~18 times the human dose based on body surface area). In the mice, convulsions and depression were observed and in rats depression was observed prior to death.

Hemodialysis and peritoneal dialysis are not effective in removing clindamycin from the serum.

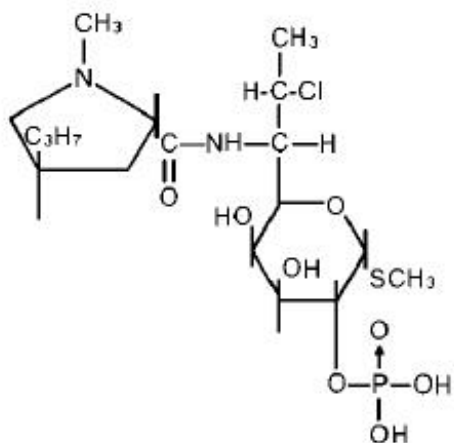
## 11 DESCRIPTION

Clindamycin Phosphate in Sodium Chloride Injection contains clindamycin phosphate, a water-soluble ester of clindamycin. Clindamycin is a semisynthetic antibacterial produced by a 7(S)-chloro-substitution of the 7(R)-hydroxyl group of the parent antibacterial lincomycin.

The chemical name of clindamycin phosphate is L-threo- $\alpha$ -D-galacto-Octopyranoside, methyl-7-chloro-6,7,8-trideoxy-6-[[[(1-methyl-4-propyl-2-pyrrolidiny]l)carbonyl]amino]01-thio-, 2-(dihydrogen phosphate), (2S-trans)-.

The molecular formula is C<sub>18</sub>H<sub>34</sub>ClN<sub>2</sub>O<sub>8</sub>PS and the molecular weight is 504.96.

The structural formula is represented below:



Clindamycin Phosphate in Sodium Chloride Injection is a clear, colorless and sterile solution for intravenous infusion available in three strengths, 300 mg/50 mL, 600 mg/50 mL, and 900 mg/50 mL, containing 300 mg, 600 mg or 900 mg clindamycin, respectively (as clindamycin phosphate, USP). Each 50 mL of all the strengths of Clindamycin Phosphate in Sodium Chloride Injection also contains, 450 mg of sodium chloride USP, 2 mg of edetate disodium dihydrate USP, and water for Injection USP. The pH is adjusted with sodium hydroxide and /or hydrochloric acid. Clindamycin Phosphate in Sodium Chloride Injection is filled in GALAXY plastic container fabricated from a specially designed multilayer plastic, PL 2501. Solutions in contact with the plastic container can leach out certain of its chemical components in very small amounts within the expiration period. The suitability of the plastic has been confirmed in tests in animals according to the USP biological tests for plastic containers, as well as by tissue culture toxicity studies.

## **12 CLINICAL PHARMACOLOGY**

### **12.1 Mechanism of Action**

Clindamycin is an antibacterial drug [see *Microbiology (12.4)*].

### **12.3 Pharmacokinetics**

Clindamycin phosphate is a water-soluble ester prodrug of clindamycin. Biologically inactive clindamycin phosphate is converted to active clindamycin. By the end of short-term intravenous infusion, peak serum concentrations of active clindamycin are reached.

After intramuscular injection of clindamycin phosphate, peak concentrations of active clindamycin are reached within 3 hours in adults and 1 hour in pediatric patients. Serum concentration-time curves may be constructed from intravenous peak serum concentrations by application of elimination half-lives described in the elimination section below.

Serum concentrations of clindamycin can be maintained above the in vitro minimum inhibitory concentrations for most indicated organisms by administration of clindamycin phosphate every 8 to 12 hours in adults and every 6 to 8 hours in pediatric patients, or by continuous intravenous infusion. An equilibrium state is reached by the third dose.

#### Distribution

No significant concentrations of clindamycin are attained in the cerebrospinal fluid even in the presence of inflamed meninges.

#### Elimination

Clindamycin is metabolized predominantly by CYP3A4, and to a lesser extent by CYP3A5, to the major metabolite clindamycin sulfoxide and minor metabolite N-desmethylclindamycin. Biologically inactive clindamycin phosphate disappears from the serum with 6 minutes of the average elimination half-life; however, the average serum elimination half-life of active clindamycin is about 3 hours in adults and 2.5 hours in pediatric patients.

## Specific Populations

### *Patients with Renal/Hepatic Impairment*

The elimination half-life of clindamycin is increased slightly in patients with markedly reduced renal or hepatic function. Hemodialysis and peritoneal dialysis are not effective in removing clindamycin from the serum. Dosage schedules do not need to be modified in patients with renal or hepatic disease.

### *Geriatric Patients*

Pharmacokinetic studies in elderly volunteers (61-79 years) and younger adults (18-39 years) indicate that age alone does not alter clindamycin pharmacokinetics (clearance, elimination half-life, volume of distribution, and area under the serum concentration-time curve) after intravenous administration of clindamycin phosphate. After oral administration of clindamycin hydrochloride, the average elimination half-life is increased to approximately 4.0 hours (range 3.4-5.1 h) in the elderly, compared to 3.2 hours (range 2.1-4.2 h) in younger adults. The extent of absorption, however, is not different between age groups and no dosage alteration is necessary for the elderly with normal hepatic function and normal (age-adjusted) renal function<sup>1</sup>.

### *Pharmacokinetics in Pediatric Patients with PMA $\leq$ 32 weeks, or $>$ 32 to $\leq$ 40 weeks*

Systemic clearance (CL) in premature infants increases with increases in bodyweight (kg) and post-menstrual age (PMA). The dosing regimens for pediatric patients  $\leq$  32 weeks PMA (5 mg/kg) and 32 to  $\leq$  40 weeks PMA (7 mg/kg), both administered IV every 8 hours, achieve exposures comparable to therapeutic exposures in adults (weighing 70 kg) administered clindamycin 600 mg every 8 hours (Table 4).

**Table 4: Predicted Drug Exposure (Mean  $\pm$  SD) of Clindamycin in Adults and in Pediatric Patients with PMA  $\leq$  32 weeks, or  $>$  32 to  $\leq$  40 weeks**

<b>Age</b>	<b>Adult (70 kg)</b>	<b>PMA <math>\leq</math> 32 weeks</b>	<b>PMA <math>&gt;</math> 32 - <math>\leq</math> 40 weeks</b>
<b>Dose (every 8 hours)</b>	600 mg	5 mg/kg	7 mg/kg
<b>AUC<sub>ss,0-8hour</sub> (mcg.h/mL)</b>	50.5 (30.9)	52.5 (17.0)	55.9 (23.6)
<b>C<sub>max,ss</sub> (mcg/mL)</b>	12.0 (3.5)	9.0 (2.2)	10.5 (2.8)
<b>C<sub>min,ss</sub> (mcg/mL)</b>	3.1 (3.3)	4.6 (2.0)	4.4 (2.8)

PMA: post-menstrual age; AUC<sub>ss,0-8 hour</sub>: area under the concentration-time curve during a dosing interval at steady state; C<sub>max,ss</sub>: maximum drug concentration at steady state; C<sub>min,ss</sub>: minimum or trough drug concentration at steady state

### *Obese Pediatric Patients Aged 2 to Less than 18 Years and Obese Adults Aged 18 to 20 Years*

An analysis of pharmacokinetic data in obese pediatric patients aged 2 to less than 18 years and obese adults aged 18 to 20 years demonstrated that clindamycin clearance and volume of distribution, normalized by total body weight, are comparable regardless of obesity.



## *Drug Interaction Studies*

*In vitro* studies indicate that clindamycin does not inhibit CYP1A2, CYP2C9, CYP2C19, CYP2E1 or CYP2D6 and only moderately inhibits CYP3A4.

## **12.4 Microbiology**

### Mechanism of Action

Clindamycin inhibits bacterial protein synthesis by binding to the 23S RNA of the 50S subunit of the ribosome. Clindamycin is bacteriostatic.

### Resistance

Resistance to clindamycin is most often caused by modification of specific bases of the 23S ribosomal RNA. Cross-resistance between clindamycin and lincomycin is complete. Because the binding sites for these antibacterial drugs overlap, cross-resistance is sometimes observed among lincosamides, macrolides and streptogramin B. Macrolide-inducible resistance to clindamycin occurs in some isolates of macrolide-resistant bacteria. Macrolide-resistant isolates of staphylococci and beta-hemolytic streptococci should be screened for induction of clindamycin resistance using the D-zone test.

### Antimicrobial Activity

Clindamycin has been shown to be active against most isolates of the following microorganisms, both *in vitro* and in clinical infections [see *Indications and Usage (1)*].

Aerobic bacteria

Gram-positive bacteria

*Staphylococcus aureus* (methicillin-susceptible isolates)

*Streptococcus pneumoniae* (penicillin-susceptible isolates)

*Streptococcus pyogenes*

Anaerobic bacteria

Gram-positive bacteria

*Clostridium perfringens*

*Peptostreptococcus anaerobius*

Gram-negative bacteria

*Fusobacterium necrophorum*

*Fusobacterium nucleatum*

*Prevotella melaninogenica*

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 the susceptible breakpoint for clindamycin against isolates of similar genus or organism group. However, the efficacy of clindamycin in treating clinical infections caused by these bacteria has not been established in adequate and well-controlled clinical trials.

Aerobic bacteria

Gram-positive bacteria

*Staphylococcus epidermidis* (methicillin-susceptible isolates)

*Streptococcus agalactiae*

*Streptococcus anginosus*  
*Streptococcus mitis*  
*Streptococcus oralis*  
Anaerobic bacteria  
Gram-positive bacteria  
*Actinomyces israelii*  
*Clostridium clostridioforme*  
*Eggerthella lenta*  
*Finegoldia (Peptostreptococcus) magna*  
*Micromonas (Peptostreptococcus) micros*  
*Cutibacterium acnes*  
Gram-negative bacteria  
*Prevotella bivia*  
*Prevotella intermedia*

### Susceptibility Testing

For specific information regarding susceptibility test interpretive criteria, and associated test methods and quality control standards recognized by FDA for this drug, please see <https://www.fda.gov/STIC>.

## **13 NONCLINICAL TOXICOLOGY**

### **13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility**

Long term studies in animals have not been performed with clindamycin to evaluate carcinogenic potential. Genotoxicity tests performed included a rat micronucleus test and an Ames Salmonella reversion test. Both tests were negative.

Fertility studies in rats treated orally with up to 300 mg/kg/day (approximately 1.1 times the highest recommended adult human dose based on mg/m<sup>2</sup>) revealed no effects on fertility or mating ability.

## **15 REFERENCES**

1. Smith RB, Phillips JP: Evaluation of CLEOCIN HCl and CLEOCIN Phosphate in an Aged Population. Upjohn TR 8147-82-9122-021, December 1982.

## **16 HOW SUPPLIED/STORAGE AND HANDLING**

Clindamycin Phosphate in Sodium Chloride Injection is a clear, colorless and sterile solution for intravenous infusion. Each 50 mL of Clindamycin Phosphate in Sodium Chloride Injection, 300 mg/50 mL, 600 mg/50 mL, and 900 mg/50 mL, contains 300 mg, 600 mg or 900 mg clindamycin, respectively (as clindamycin phosphate, USP) in 0.9% sodium chloride solution. Clindamycin Phosphate in Sodium Chloride Injection in single-dose GALAXY containers is available as follows:

---

2G3455

Twenty-four (24)-300 mg/50 mL  
containers

NDC 0338-9545-24

2G3456	Twenty-four (24)-600 mg/50 mL containers	NDC 0338-9549-24
2G3457	Twenty-four (24)-900 mg/50 mL containers	NDC 0338-9553-24

---

Exposure of pharmaceutical products, including clindamycin phosphate in sodium chloride, to heat should be minimized. It is recommended that GALAXY plastic containers be stored at 20°C to 25°C (68°F to 77°F) excursions permitted to 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

## **17 PATIENT COUNSELING INFORMATION**

### *C. difficile*-Associated Diarrhea (CDAD)

Advise patients that diarrhea is a common problem caused by antibacterial drugs including Clindamycin Phosphate in Sodium Chloride Injection, that usually ends when the antibacterial is discontinued. Sometimes after starting treatment with antibacterial drugs, including Clindamycin Phosphate in Sodium Chloride Injection, patients can develop watery and bloody stools (with or without stomach cramps and fever) even as late as two or more months after having taken the last dose of the antibacterial drugs. If this occurs, contact physician as soon as possible [see *Warnings and Precautions (5.1)*].

### Antibacterial Resistance

Patients should be counseled that antibacterial drugs including Clindamycin Phosphate in Sodium Chloride Injection should only be used to treat bacterial infections. They do not treat viral infections (e.g., the common cold). When Clindamycin Phosphate in Sodium Chloride Injection 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 Clindamycin Phosphate in Sodium Chloride Injection or other antibacterial drugs in the future.

### Lactation

Advise a woman to monitor the breastfed infant for diarrhea and bloody stools [see *Use in Specific Populations (8.2)*].

### **Baxter Healthcare Corporation**

Deerfield, IL 60015 USA

Made in USA.

Baxter and Galaxy are registered trademarks of Baxter International Inc.

07-19-04-866

## **PACKAGE/LABEL PRINCIPAL DISPLAY PANEL**

NDC 0338-9545-50

**Clindamycin Phosphate  
in 0.9% Sodium Chloride Injection**

**300 mg per 50 mL (6 mg / mL)**

50 mL Single-Dose GALAXY Container Code 2G3455

Discard unused portion Sterile Nonpyrogenic

**For Intravenous Infusion Only**

Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 300 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.

Dosage: See prescribing information.

**Rx only**

Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

**Baxter**

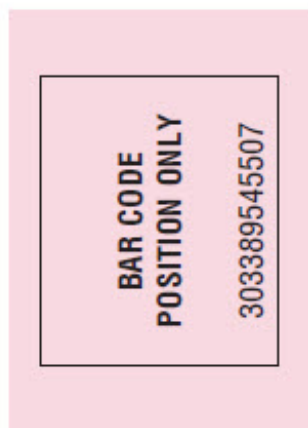
PL 2501 Plastic

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA

07-34-00-1621



**Container Label**

**NDC 0338-9545-50**

**Clindamycin Phosphate  
in 0.9% Sodium Chloride Injection  
300 mg per 50 mL (6 mg / mL)**

**50 mL Single-Dose GALAXY Container  
Code 2G3455**

**Discard unused portion  
Sterile Nonpyrogenic**

**For Intravenous Infusion Only**

Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 300 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.

Dosage: See prescribing information.

**Rx only**

Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

PL 2501 Plastic

**BAXTER Logo**

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA

07-34-00-1621

Bar Code Position Only

303389545507

GALAXY Container

PL 2501 Plastic



Baxter and Galaxy are registered trademarks of Baxter International Inc.  
Baxter Healthcare Corporation, Deerfield, IL 60015 USA  
Made in USA

07-04-00-0781

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**300 mg per 50 mL (6 mg / mL)**

Contains 12 - 50 mL Single-Dose Containers  
Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

GALAXY Container

PL 2501 Plastic



Baxter and Galaxy are registered trademarks of Baxter International Inc.  
Baxter Healthcare Corporation, Deerfield, IL 60015 USA  
Made in USA

07-04-00-0781

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**300 mg per 50 mL (6 mg / mL)**

Contains 12 - 50 mL Single-Dose Containers  
Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

**Rx only**

**NDC 0338-9545-24**  
**Code 2G3455**

**For Intravenous Infusion Only**

Sterile Nonpyrogenic

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 300 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.  
Dosage: See prescribing information.

Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

FOR BAR CODE POSITION ONLY

(01) 20303389545242

**Rx only**

**NDC 0338-9545-24**  
**Code 2G3455**

**For Intravenous Infusion Only**

Sterile Nonpyrogenic

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 300 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.  
Dosage: See prescribing information.

Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

FOR BAR CODE POSITION ONLY

(01) 20303389545242

**Carton Label**

**GALAXY** Container PL 2501 Plastic

***BAXTER Logo***

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA

07-04-00-0781

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**300 mg per 50 mL** (6 mg / mL)

Contains 12 - 50 mL Single-Dose Containers

**Store at 20°C to 25°C (68°F to 77°F) [see USP Controlled Room Temperature]. Avoid temperatures above 30°C.**

**Rx only**

**NDC 0338-9545-24**

**Code 2G3455**

**FOR BAR CODE POSITION ONLY**

(01) 20303389545242

**For Intravenous Infusion Only**

Sterile Nonpyrogenic

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 300 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP.

pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.

Dosage: See prescribing information.

Cautions: Do not add supplementary medication. Must not be used in series connections.

Check for minute leaks and solution clarity.

NDC 0338-9549-50

**Clindamycin Phosphate  
in 0.9% Sodium Chloride Injection**

**600 mg per 50 mL (12 mg / mL)**

50 mL Single-Dose GALAXY Container Code 2G3456

Discard unused portion Sterile Nonpyrogenic

**For Intravenous Infusion Only**

Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 600 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.

Dosage: See prescribing information.

**Rx only**

Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

---

**Baxter** PL 2501 Plastic

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA 07-34-00-1622



**Container Label**

**NDC0338-9549-50**  
**Clindamycin Phosphate**  
**in 0.9% Sodium Chloride Injection**  
**600 mg per 50 mL (12 mg / mL)**  
**50 mL Single-Dose GALAXY Container**  
**Code 2G3456**  
**Discard unused portion**  
**For Intravenous Use Only**  
**Sterile Nonpyrogenic**

Cautions: Do not add supplementary medication. Must not be used in series

connections. Check for minute leaks and solution clarity.

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 600 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.

Dosage: See prescribing information.

**Rx only**

Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

PL 2501 Plastic

**BAXTER Logo**

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA

07-34-00-0851

BAR CODE POSTION ONLY

303389549505

GALAXY Container

PL 2501 Plastic

**Baxter**

Baxter and Galaxy are registered trademarks of Baxter International Inc.  
Baxter Healthcare Corporation, Deerfield, IL 60015 USA  
Made in USA

07-04-00-0782

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**600 mg per 50 mL (12 mg / mL)**

Contains 12 - 50 mL Single-Dose Containers

Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

GALAXY Container

PL 2501 Plastic

**Baxter**

Baxter and Galaxy are registered trademarks of Baxter International Inc.  
Baxter Healthcare Corporation, Deerfield, IL 60015 USA  
Made in USA

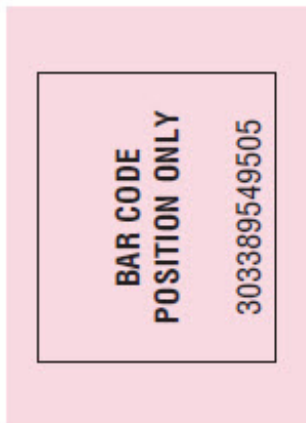
07-04-00-0782

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**600 mg per 50 mL (12 mg / mL)**

Contains 12 - 50 mL Single-Dose Containers

Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.



**Carton Label**

**GALAXY** Container



PL 2501 Plastic

**BAXTER Logo**

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA

07-04-00-0303

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**600 mg per 50 mL** (12 mg / mL)

Contains 12 - 50 mL Single-Dose Containers

**Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.**

**Rx only**

**NDC 0338-9549-24**

**Code 2G3456**

FOR BAR CODE POSITION ONLY

(01) 20303389549240

**For Intravenous Infusion Only**

Sterile Nonpyrogenic

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 600 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP.

pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.

Dosage: See prescribing information.

Cautions: Do not add supplementary medication. Must not be used in series connections.

Check for minute leaks and solution clarity.

NDC 0338-9553-50

**Clindamycin Phosphate  
in 0.9% Sodium Chloride Injection**

**900 mg per 50 mL (18 mg / mL)**

50 mL Single-Dose GALAXY Container Code 2G3457

Discard unused portion Sterile Nonpyrogenic

**For Intravenous Infusion Only**

Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 900 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.

Dosage: See prescribing information.

**Rx only**

Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

**Baxter**

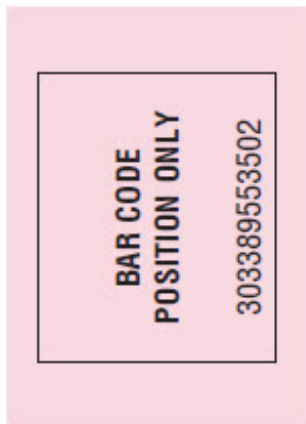
PL 2501 Plastic

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA

07-34-00-1623



**Container Label**

**NDC 0338-9553-50**

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**900 mg per 50 mL (18 mg / mL)**

**50 mL Single-Dose GALAXY Container**

**Discard unused portion**

**Code 2G3457**

**Sterile Nonpyrogenic**

**For Intravenous Infusion Only**

Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 900 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.  
Dosage: See prescribing information.

**Rx only**

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

Avoid temperatures above 30°C.

PL 2501 Plastic

**BAXTER Logo**

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA

07-34-00-0852

BAR CODE POSITION ONLY

303389553502

GALAXY Container

PL 2501 Plastic



Baxter and Galaxy are registered trademarks of Baxter International Inc.  
Baxter Healthcare Corporation, Deerfield, IL 60015 USA  
Made in USA

07-04-00-0783

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**900 mg per 50 mL (18 mg / mL)**

Contains 12 - 50 mL Single-Dose Containers  
Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

GALAXY Container

PL 2501 Plastic



Baxter and Galaxy are registered trademarks of Baxter International Inc.  
Baxter Healthcare Corporation, Deerfield, IL 60015 USA  
Made in USA

07-04-00-0783

**Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**900 mg per 50 mL (18 mg / mL)**

Contains 12 - 50 mL Single-Dose Containers  
Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.

**Rx only**

**NDC 0338-9553-24**  
**Code 2G3457**

**For Intravenous Infusion Only**

Sterile Nonpyrogenic



(01) 20303389553247

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 900 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.  
Dosage: See prescribing information.  
Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

**Rx only**

**NDC 0338-9553-24**  
**Code 2G3457**

**For Intravenous Infusion Only**

Sterile Nonpyrogenic



(01) 20303389553247

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 900 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP. pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.  
Dosage: See prescribing information.  
Cautions: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

**Carton Label**

**GALAXY** Container

PL 2501 Plastic

## **BAXTER Logo**

Baxter and Galaxy are registered trademarks of Baxter International Inc.

**Baxter Healthcare Corporation**, Deerfield, IL 60015 USA

Made in USA

07-04-00-0304

### **Clindamycin Phosphate in 0.9% Sodium Chloride Injection**

**900 mg per 50 mL** (18 mg / mL)

Contains 12 - 50 mL Single-Dose Containers

**Store at 20°C to 25°C (68°F to 77°F)[see USP Controlled Room Temperature]. Avoid temperatures above 30°C.**

**Rx only**

**NDC 0338-9553-24**

**Code 2G3457**

### **For Intravenous Infusion Only**

Sterile Nonpyrogenic

Each 50 mL contains: Clindamycin phosphate, USP equivalent to 900 mg clindamycin, 450 mg sodium chloride, USP, 2 mg edetate disodium dihydrate, USP, and Water for Injection, USP.

pH may have been adjusted with sodium hydroxide and/or hydrochloric acid.

Dosage: See prescribing information.

Caution: Do not add supplementary medication. Must not be used in series connections. Check for minute leaks and solution clarity.

## **CLINDAMYCIN PHOSPHATE**

clindamycin phosphate injection, solution

### **Product Information**

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:0338-9545
<b>Route of Administration</b>	INTRAVENOUS		

### **Active Ingredient/Active Moiety**

<b>Ingredient Name</b>	<b>Basis of Strength</b>	<b>Strength</b>
<b>CLINDAMYCIN PHOSPHATE</b> (UNII: EH6D7113I8) (CLINDAMYCIN - UNII:3U02EL437C)	CLINDAMYCIN PHOSPHATE	300 mg in 50 mL

### **Inactive Ingredients**

<b>Ingredient Name</b>	<b>Strength</b>
<b>EDETATE DISODIUM</b> (UNII: 7FLD91C86K)	2.00 mg in 50 mL
<b>SODIUM CHLORIDE</b> (UNII: 451W47IQ8X)	450 mg in 50 mL
<b>SODIUM HYDROXIDE</b> (UNII: 55X04QC32I)	
<b>HYDROCHLORIC ACID</b> (UNII: QTT17582CB)	
<b>WATER</b> (UNII: 059QF0KO0R)	

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0338-9545-24	24 in 1 CARTON	04/20/2017	
1	NDC:0338-9545-50	50 mL in 1 BAG; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA208083	04/20/2017	

## CLINDAMYCIN PHOSPHATE

clindamycin phosphate injection, solution

### Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:0338-9549
Route of Administration	INTRAVENOUS		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
CLINDAMYCIN PHOSPHATE (UNII: EH6D7113I8) (CLINDAMYCIN - UNII:3U02EL437C)	CLINDAMYCIN PHOSPHATE	600 mg in 50 mL

### Inactive Ingredients

Ingredient Name	Strength
EDETATE DISODIUM (UNII: 7FLD91C86K)	2.00 mg in 50 mL
SODIUM CHLORIDE (UNII: 451W47IQ8X)	450 mg in 50 mL
SODIUM HYDROXIDE (UNII: 55X04QC32I)	
HYDROCHLORIC ACID (UNII: QTT17582CB)	
WATER (UNII: 059QF0KO0R)	

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0338-9549-24	24 in 1 CARTON	04/20/2017	
1	NDC:0338-9549-50	50 mL in 1 BAG; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA208083	04/20/2017	

## CLINDAMYCIN PHOSPHATE

clindamycin phosphate injection, solution

### Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:0338-9553
Route of Administration	INTRAVENOUS		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
CLINDAMYCIN PHOSPHATE (UNII: EH6D7113I8) (CLINDAMYCIN - UNII:3U02EL437C)	CLINDAMYCIN PHOSPHATE	900 mg in 50 mL

### Inactive Ingredients

Ingredient Name	Strength
EDETATE DISODIUM (UNII: 7FLD91C86K)	2.00 mg in 50 mL
SODIUM CHLORIDE (UNII: 451W47IQ8X)	450 mg in 50 mL
SODIUM HYDROXIDE (UNII: 55X04QC32I)	
HYDROCHLORIC ACID (UNII: QTT17582CB)	
WATER (UNII: 059QF0KO0R)	

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0338-9553-24	24 in 1 CARTON	04/20/2017	
1	NDC:0338-9553-50	50 mL in 1 BAG; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA208083	04/20/2017	

**Labeler** - Baxter Healthcare Corporation (005083209)

## Establishment

Name	Address	ID/FEI	Business Operations
Baxter Healthcare Corporation		194684502	ANALYSIS(0338-9545, 0338-9549, 0338-9553) , LABEL(0338-9545, 0338-9549, 0338-9553) , MANUFACTURE(0338-9545, 0338-9549, 0338-9553) , PACK(0338-9545, 0338-9549, 0338-9553) , STERILIZE(0338-9545, 0338-9549, 0338-9553)

Revised: 9/2022

Baxter Healthcare Corporation