

GENTAMICIN SULFATE- gentamicin sulfate injection, solution
Henry Schein, Inc.

Gentamicin Sulfate 80mg/2ml (40 mg/mL as Gentamicin)

80 mg/2 mL

(40 mg/mL as Gentamicin)

FOR INTRAVENOUS INFUSION OR INTRAMUSCULAR INJECTION

CAUTION: MUST BE DILUTED FOR INTRAVENOUS USE.

Fliptop Vial

Rx Only

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

BOXED WARNING

WARNINGS

Patients treated with aminoglycosides should be under close clinical observation because of the potential toxicity associated with their use.

As with other aminoglycosides, Gentamicin Sulfate Injection, USP is potentially nephrotoxic. The risk of nephrotoxicity is greater in patients with impaired renal function and in those who receive high dosage or prolonged therapy.

Neurotoxicity manifested by ototoxicity, both vestibular and auditory, can occur in patients treated with Gentamicin Sulfate Injection, USP, primarily in those with pre-existing renal damage and in patients with normal renal function treated with higher doses and/or for longer periods than recommended. Aminoglycoside-induced ototoxicity is usually irreversible. Other manifestations of neurotoxicity may include numbness, skin tingling, muscle twitching and convulsions.

Renal and eighth cranial nerve function should be closely monitored, especially in patients with known or suspected reduced renal function at onset of therapy and also in those whose renal function is initially normal but who develop signs of renal dysfunction during therapy. Urine should be examined for decreased specific gravity, increased excretion of protein, and the presence of cells or casts. Blood urea nitrogen, serum creatinine, or creatinine clearance should be determined periodically. When feasible, it is recommended that serial audiograms be obtained in patients old enough to be tested, particularly high-risk patients. Evidence of ototoxicity (dizziness, vertigo, tinnitus, roaring in the ears or hearing loss) or nephrotoxicity requires dosage adjustment or discontinuance of the drug. As with the other aminoglycosides, on rare occasions changes in renal and eighth cranial nerve function may not become manifest until soon after completion of therapy.

Serum concentrations of aminoglycosides should be monitored when feasible to assure adequate levels and to avoid potentially toxic levels. When monitoring gentamicin peak concentrations, dosage should be adjusted so that prolonged levels above 12 mcg/mL are avoided. When monitoring gentamicin trough concentrations, dosage should be adjusted so that levels above 2 mcg/mL are avoided. Excessive peak and/or trough serum concentrations of aminoglycosides may increase the risk of renal and eighth cranial nerve toxicity. In the event of overdose or toxic reactions, hemodialysis may aid in the removal of gentamicin from the blood, especially if renal function is, or becomes, compromised. The rate of removal of gentamicin is considerably lower by peritoneal dialysis than it is by hemodialysis.

Concurrent and/or sequential systemic or topical use of other potentially neurotoxic and/or nephrotoxic drugs, such as cisplatin, cephaloridine, kanamycin, amikacin, neomycin, polymyxin B, colistin, paromomycin, streptomycin, tobramycin, vancomycin, and viomycin, should be avoided.

Other factors which may increase patient risk to toxicity are advanced age and dehydration.

The concurrent use of gentamicin with potent diuretics, such as ethacrynic acid or furosemide, should be avoided, since certain diuretics by themselves may cause ototoxicity. In addition, when administered intravenously, diuretics may enhance

In patients with normal renal function, peak serum concentrations of gentamicin (mcg/mL) are usually up to four times the single intramuscular dose (mg/kg); for example, a 1 mg/kg injection in adults may be expected to result in a peak serum concentration up to 4 mcg/mL; a 1.5 mg/kg dose may produce levels up to 6 mcg/mL. While some variation is to be expected due to a number of variables such as age, body temperature, surface area and physiologic differences, the individual patient given the same dose tends to have similar levels in repeated determinations. Gentamicin administered at 1 mg/kg every eight hours for the usual 7- to 10-day treatment period to patients with normal renal function does not accumulate in the serum.

Gentamicin, like all aminoglycosides, may accumulate in the serum and tissues of patients treated with higher doses and for prolonged periods, particularly in the presence of impaired renal function. In adult patients, treatment with gentamicin dosages of 4 mg/kg/day or higher for seven to ten days may result in a slight, progressive rise in both peak and trough concentrations. In patients with impaired renal function, gentamicin is cleared from the body more slowly than in patients with normal renal function. The more severe the impairment, the slower the clearance.

Dosage must be adjusted.

Since gentamicin is distributed in extracellular fluid, peak serum concentrations may be lower than usual in adult patients who have a large volume of this fluid. Serum concentrations of gentamicin in febrile patients may be lower than those in afebrile patients given the same dose. When body temperature returns to normal, serum concentrations of the drug may rise. Febrile and anemic states may be associated with a shorter than usual serum half-life. (Dosage adjustment is usually not necessary.) In severely burned patients, the half-life may be significantly decreased and resulting serum concentrations may be lower than anticipated from the mg/kg dose.

Protein binding studies have indicated that the degree of gentamicin binding is low, depending upon the methods used for testing, this may be between 0 and 30%.

After initial administration to patients with normal renal function, generally 70% or more of the gentamicin dose is recoverable in the urine in 24 hours; concentrations in urine above 100 mcg/mL may be achieved. Little, if any metabolic transformation occurs; the drug is excreted principally by glomerular filtration. After several days of treatment, the amount of gentamicin excreted in the urine approaches the daily dose administered. As with other aminoglycosides, a small amount of the gentamicin dose may be retained in the tissues, especially in the kidneys. Minute quantities of aminoglycosides have been detected in the urine weeks after drug administration was discontinued. Renal clearance of gentamicin is similar to that of endogenous creatinine.

In patients with marked impairment of renal function, there is a decrease in the concentration of aminoglycosides in urine and in their penetration into defective renal parenchyma. This decreased drug excretion, together with the potential nephrotoxicity of aminoglycosides, should be considered when treating such patients who have urinary tract infections.

Probenecid does not affect renal tubular transport of gentamicin.

The endogenous creatinine clearance rate and the serum creatinine level have a high correlation with the half-life of gentamicin in serum. Results of these tests may serve as guides for adjusting dosage in patients with renal impairment (see DOSAGE AND ADMINISTRATION).

Following parenteral administration, gentamicin can be detected in serum, lymph, tissues, sputum, and in pleural, synovial, and peritoneal fluids. Concentrations in renal cortex sometimes may be eight times higher than the usual serum levels. Concentrations in bile, in general, have been low and have suggested minimal biliary excretion. Gentamicin crosses the peritoneal as well as the placental membranes. Since aminoglycosides diffuse poorly into the subarachnoid space after parenteral administration, concentrations of gentamicin in cerebrospinal fluid are often low and dependent upon dose, rate of penetration and degree of meningeal inflammation. There is minimal penetration of gentamicin into ocular tissues following intramuscular or intravenous administration.

Microbiology

Mechanism of Action

Gentamicin, an aminoglycoside, binds to the prokaryotic ribosome, inhibiting protein synthesis in susceptible bacteria. It is bactericidal *in vitro* against Gram-positive and Gram-negative bacteria.

Resistance

Bacterial resistance to gentamicin is generally developed slowly. Bacteria resistant to one aminoglycoside may be resistant to one or more other aminoglycosides. The following bacteria are usually resistant to the aminoglycosides, including gentamicin: most streptococcal species (including *Streptococcus pneumoniae* and the Group D streptococci), most enterococcal species (including *Enterococcus faecalis*, *E. faecium*, and *E. durans*), and anaerobic organisms, such as *Bacteroides* species and *Clostridium* species.

Aminoglycosides are known to be not effective against *Salmonella* and *Shigella* species in patients. Therefore, *in vitro* susceptibility test results should not be reported.

Interaction With Other Antimicrobials

In vitro studies show that an aminoglycoside combined with an antibiotic that interferes with cell wall synthesis may act synergistically against some enterococcal strains. The combination of gentamicin and penicillin G has a synergistic bactericidal effect against strains of *Enterococcus faecalis*, *E. faecium* and *E. durans*. An enhanced killing effect against many of these strains has also been shown *in vitro* with combinations of gentamicin and ampicillin, carbenicillin, nafcillin or oxacillin.

The combined effect of gentamicin and carbenicillin is synergistic for many strains of *Pseudomonas aeruginosa*. *In vitro* synergism against other Gram-negative organisms has been shown with combinations of gentamicin and cephalosporins.

Gentamicin may be active against clinical isolates of bacteria resistant to other aminoglycosides.

Antimicrobial Activity

Gentamicin has been shown to be active against most of the following bacteria, both *in vitro* and in clinical infections (see INDICATIONS AND USAGE).

Gram-Positive Bacteria

Staphylococcus species

Gram-Negative Bacteria

Citrobacter species

Enterobacter species

Escherichia coli

Klebsiella species

Proteus species

Serratia species

Pseudomonas aeruginosa

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>.

Contraindications

Hypersensitivity to gentamicin is a contraindication to its use. A history of hypersensitivity or serious toxic reactions to other aminoglycosides may contraindicate use of gentamicin because of the known cross-sensitivity of patients to drugs in this class.

Warnings

(see WARNINGS BOX).

Aminoglycosides can cause fetal harm when administered to a pregnant woman. Aminoglycoside antibiotics cross the placenta, and there have been several reports of total irreversible bilateral congenital deafness in children whose mothers received streptomycin during pregnancy.

Animal reproduction studies conducted on rats and rabbits did not reveal evidence of impaired fertility or harm to the fetus due to gentamicin sulfate. It is also not known whether gentamicin sulfate can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. Serious side effects to mother, fetus, or newborn have not been reported in treatment of pregnant women with other aminoglycosides. If gentamicin is used during pregnancy or if the patient becomes pregnant while taking gentamicin, she should be apprised of the potential hazard to the fetus.

Contains sodium metabisulfite, a sulfite that may cause allergic-type reactions including anaphylactic symptoms and life-threatening or less severe asthmatic episodes in certain susceptible people. The overall prevalence of sulfite sensitivity in the general population is unknown and probably low. Sulfite sensitivity is seen more frequently in asthmatic than in nonasthmatic people.

Precautions

Neurotoxic and nephrotoxic antibiotics may be almost completely absorbed from body surfaces (except the urinary bladder) after local irrigation and after topical application during surgical procedures. The potential toxic effects of antibiotics administered in this

fashion (neuromuscular blockade, respiratory paralysis, oto- and nephrotoxicity) should be considered (see WARNINGS BOX).

Increased nephrotoxicity has been reported following concomitant administration of aminoglycoside antibiotics and cephalosporins.

Neuromuscular blockade and respiratory paralysis have been reported in the cat receiving high doses (40 mg/kg) of gentamicin. The possibility of these phenomena occurring in man should be considered if aminoglycosides are administered by any route to patients receiving anesthetics, or to patients receiving neuromuscular blocking agents, such as succinylcholine, tubocurarine, or decamethonium, or in patients receiving massive transfusions of citrate anticoagulated blood. If neuromuscular blockade occurs, calcium salts may reverse it.

Aminoglycosides should be used with caution in patients with neuromuscular disorders, such as myasthenia gravis or parkinsonism, since these drugs may aggravate muscle weakness because of their potential curare-like effects on the neuromuscular junction. During or following gentamicin therapy, paresthesias, tetany, positive Chvostek and Trousseau signs and mental confusion have been described in patients with hypomagnesemia, hypocalcemia and hypokalemia. When this has occurred in infants, tetany and muscle weakness has been described. Both adults and infants required appropriate corrective electrolyte therapy.

Elderly patients may have reduced renal function which may not be evident in the results of routine screening tests, such as BUN or serum creatinine. A creatinine clearance determination may be more useful. Monitoring of renal function during treatment with gentamicin, as with other aminoglycosides, is particularly important in such patients. A Fanconi-like syndrome, with aminoaciduria and metabolic acidosis has been reported in some adults and infants being given gentamicin injections.

Cross-allergenicity among aminoglycosides has been demonstrated.

Patients should be well hydrated during treatment.

Although the in vitro mixing of gentamicin and carbenicillin results in a rapid and significant inactivation of gentamicin, this interaction has not been demonstrated in patients with normal renal function who received both drugs by different routes of administration. A reduction in gentamicin serum half-life has been reported in patients with severe renal impairment receiving carbenicillin concomitantly with gentamicin.

Treatment with gentamicin may result in overgrowth of nonsusceptible organisms. If this occurs, appropriate therapy is indicated. See WARNINGS BOX regarding concurrent use of potent diuretics and regarding concurrent and/or sequential use of other neurotoxic and/or nephrotoxic antibiotics and for other essential information.

Do not administer unless solution is clear and package undamaged.

Pregnancy (see WARNINGS section).

General

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

Information for Patients

Patients should be counseled that antibacterial drugs including gentamicin should only

be used to treat bacterial infections. They do not treat viral infections (e.g., the common cold). When gentamicin 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 gentamicin or other antibacterial drugs in the future.

Adverse Reactions

Nephrotoxicity: Adverse renal effects, as demonstrated by the presence of casts, cells or protein in the urine or by rising BUN, NPN, serum creatinine or oliguria, have been reported. They occur more frequently in patients with a history of renal impairment and in patients treated for longer periods or with larger dosages than recommended.

Neurotoxicity: Serious adverse effects on both vestibular and auditory branches of the eighth nerve have been reported, primarily in patients with renal impairment (especially if dialysis is required) and in patients on high doses and/or prolonged therapy. Symptoms include dizziness, vertigo, tinnitus, roaring in the ears and also hearing loss, which, as with the other aminoglycosides, may be irreversible. Hearing loss is usually manifested initially by diminution of high-tone acuity. Other factors which may increase the risk of toxicity include excessive dosage, dehydration and previous exposure to other ototoxic drugs.

Peripheral neuropathy or encephalopathy, including numbness, skin tingling, muscle twitching, convulsions, and a myasthenia gravis-like syndrome, have been reported.

NOTE: The risk of toxic reactions is low in patients with normal renal function who do not receive gentamicin sulfate at higher doses or for longer periods of time than recommended.

Other reported adverse reactions possibly related to gentamicin include: Respiratory depression, lethargy, confusion, depression, visual disturbances, decreased appetite, weight loss and hypotension and hypertension; rash, itching, urticaria, generalized burning, laryngeal edema, anaphylactoid reactions, fever, and headache; nausea, vomiting, increased salivation, and stomatitis; purpura, pseudotumor cerebri, acute organic brain syndrome, pulmonary fibrosis, alopecia, joint pain, transient hepatomegaly and splenomegaly.

Laboratory abnormalities possibly related to gentamicin include: Increased levels of serum transaminase (SGOT, SGPT), serum LDH and bilirubin; decreased serum calcium, magnesium, sodium and potassium; anemia, leukopenia, granulocytopenia, transient agranulocytosis, eosinophilia, increased and decreased reticulocyte counts and thrombocytopenia. While clinical laboratory test abnormalities may be isolated findings, they may also be associated with clinically related signs and symptoms. For example, tetany and muscle weakness may be associated with hypomagnesemia, hypocalcemia and hypokalemia.

While local tolerance of gentamicin sulfate is generally excellent, there has been an occasional report of pain at the injection site. Subcutaneous atrophy or fat necrosis suggesting local irritation has been reported rarely.

Overdosage

In the event of overdosage or toxic reactions, hemodialysis may aid in the removal of gentamicin from the blood, and is especially important if renal function is, or becomes compromised. The rate of removal of gentamicin is considerably less by peritoneal dialysis than it is by hemodialysis.

Dosage and Administration

Gentamicin Sulfate Injection, USP may be given intramuscularly or by intravenous infusion. The patient's pretreatment body weight should be obtained for calculation of correct dosage. The dosage of aminoglycosides in obese patients should be based on an estimate of the lean body mass. It is desirable to limit the duration of treatment with aminoglycosides to short term.

Patients with Normal Renal Function

Adults: The recommended dosage of gentamicin sulfate for patients with serious infections and normal renal function is 3 mg/kg/day, administered in three equal doses every eight hours (TABLE 1).

For patients with life-threatening infections, dosages up to 5 mg/kg/day may be administered in three or four equal doses. The dosage should be reduced to 3 mg/kg/day as soon as clinically indicated (TABLE 1).

It is desirable to measure both peak and trough serum concentrations of gentamicin to determine the adequacy and safety of the dosage. When such measurements are feasible, they should be carried out periodically during therapy to assure adequate but not excessive drug levels. For example, the peak concentration (at 30 to 60 minutes after intramuscular injection) is expected to be in the range of 4 to 6 mcg/mL. When monitoring peak concentrations after intramuscular or intravenous administration, dosage should be adjusted so that prolonged levels above 12 mcg/mL are avoided. When monitoring trough concentrations (just prior to the next dose), dosage should be adjusted so that levels above 2 mcg/mL are avoided. Determination of the adequacy of a serum level for a particular patient must take into consideration the susceptibility of the causative organism, the severity of the infection, and the status of the patient's host-defense mechanisms. In patients with extensive burns, altered pharmacokinetics may result in reduced serum concentrations of aminoglycosides. In such patients treated with gentamicin, measurement of serum concentrations is recommended as a basis for dosage adjustment.

Table 1 Dosage Schedule Guide For Adults With Normal Renal Function

(Dosage at Eight-Hour Intervals)						
40 mg/mL						
Patient's Weight*		Usual Dose for Serious Infections			Dose for Life-Threatening Infections (Reduce as Soon as Clinically Indicated)	
kg	(lb)	1 mg/kg q8h (3 mg/kg/day)			1.7 mg/kg q8h** (5 mg/kg/day)	
		mg/dose	mL/dose		mg/dose	mL/dose
		q8h			q8h	
40	(88)	40	1		66	1.6
45	(99)	45	1.1		75	1.9
50	(110)	50	1.25		83	2.1
55	(121)	55	1.4		91	2.25
60	(132)	60	1.5		100	2.5
65	(143)	65	1.6		108	2.7
70	(154)	70	1.75		116	2.9
75	(165)	75	1.9		125	3.1
80	(176)	80	2		133	3.3
85	(187)	85	2.1		141	3.5
90	(198)	90	2.25		150	3.75
95	(209)	95	2.4		158	4
100	(220)	100	2.5		166	4.2

* The dosage of aminoglycosides in obese patients should be based on an estimate of the lean body mass.

** For q6h schedules, dosage should be recalculated.

Children: 6 to 7.5 mg/kg/day (2 to 2.5 mg/kg administered every 8 hours).

Infants and Neonates: 7.5 mg/kg/day (2.5 mg/kg administered every 8 hours).

Premature or Full-Term Neonates One Week of Age or Less: 5 mg/kg/day (2.5 mg/kg administered every 12 hours).

NOTE: For further information concerning the use of gentamicin in infants and children, see pediatric gentamicin sulfate injection product information.

The usual duration of treatment for all patients is seven to ten days. In difficult and complicated infections, a longer course of therapy may be necessary. In such cases monitoring of renal, auditory, and vestibular functions is recommended, since toxicity is more apt to occur with treatment extended for more than ten days. Dosage should be reduced if clinically indicated.

For Intravenous Administration

The intravenous administration of gentamicin may be particularly useful for treating patients with bacterial septicemia or those in shock. It may also be the preferred route of administration for some patients with congestive heart failure, hematologic disorders, severe burns, or those with reduced muscle mass. For intermittent intravenous administration in adults, a single-dose of gentamicin sulfate may be diluted in 50 to 200 mL of sterile isotonic saline solution or in a sterile solution of 5% dextrose in water, in infants and children, the volume of diluent should be less. The solution may be infused over a period of one-half to two hours.

The recommended dosage for intravenous and intramuscular administration is identical.

Gentamicin sulfate should not be physically premixed with other drugs, but should be administered separately in accordance with the recommended route of administration and dosage schedule.

Patients with Impaired Renal Function

Dosage must be adjusted in patients with impaired renal function to assure therapeutically adequate, but not excessive blood levels. Whenever possible, serum concentrations of gentamicin should be monitored. One method of dosage adjustment is to increase the interval between administration of the usual doses. Since the serum creatinine concentration has a high correlation with the serum half-life of gentamicin, this laboratory test may provide guidance for adjustment of the interval between doses. The interval between doses (in hours) may be approximated by multiplying the serum creatinine level (mg/100 mL) by 8. For example, a patient weighing 60 kg with a serum creatinine level of 2.0 mg/100 mL could be given 60 mg (1 mg/kg) every 16 hours (2 x 8).

In patients with serious systemic infections and renal impairment, it may be desirable to administer the antibiotic more frequently but in reduced dosage. In such patients, serum concentrations of gentamicin should be measured so that adequate, but not excessive levels result. A peak and trough concentration measured intermittently during therapy will provide optimal guidance for adjusting dosage. After the usual initial dose, a rough guide for determining reduced dosage at eight-hour intervals is to divide the normally recommended dose by the serum creatinine level (TABLE 2). For example, after an initial dose of 60 mg (1 mg/kg), a patient weighing 60 kg with a serum creatinine level of 2.0 mg/100 mL could be given 30 mg every eight hours ($60 \div 2$). It should be noted that the status of renal function may be changing over the course of the infectious process.

It is important to recognize that deteriorating renal function may require a greater reduction in dosage than that specified in the above guidelines for patients with stable renal impairment.

Table 2 Dosage Adjustment Guide for Patients with Renal Impairment

(Dosage at Eight-Hour Intervals After the Usual Initial Dose)		
Serum Creatinine (mg %)	Approximate Creatinine Clearance Rate (mL/min/1.73M ²)	Percent of Usual Doses Shown in TABLE 1
≤1.0	>100	100
1.1 – 1.3	70 – 100	80
1.4 – 1.6	55 – 70	65
1.7 – 1.9	45 – 55	55
2.0 – 2.2	40 – 45	50
2.3 – 2.5	35 – 40	40
2.6 – 3.0	30 – 35	35
3.1 – 3.5	25 – 30	30
3.6 – 4.0	20 – 25	25
4.1 – 5.1	15 – 20	20
5.2 – 6.6	10 – 15	15
6.7 – 8.0	<10	10

In adults with renal failure undergoing hemodialysis, the amount of gentamicin removed from the blood may vary depending upon several factors including the dialysis method used. An eight-hour hemodialysis may reduce serum concentrations of gentamicin by approximately 50%. The recommended dose at the end of each dialysis period is 1 to 1.7 mg/kg depending upon the severity of infection. In children, a dose of 2 mg/kg may be administered.

The above dosage schedules are not intended as rigid recommendations but are provided as guides to dosage when the measurement of gentamicin serum levels is not feasible.

A variety of methods are available to measure gentamicin concentrations in body fluids; these include microbiologic, enzymatic and radioimmunoassay techniques.

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

How Supplied

Gentamicin Sulfate Injection, USP containing gentamicin 40 mg/mL is supplied as follows:

Unit of Sale	Concentration
NDC 0409-1207-03 25 vials in Tray	80 mg/2 mL (40 mg/mL)

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

Distributed by Hospira, Inc., Lake Forest, IL 60045 USA

LAB-0949-4.0

05/2018

Sample Package Label

GENTAMICIN SULFATE
80MG/2ML

40 mg/ml
 2 ml

INJECTION, USP
 Single Dose Vial

FOR IV OR IM USE
 MUST BE DILUTED FOR IV USE

Keep out of
 children's reach.

Store at controlled room
 temperature 68F to 77F.

NDC:



0404-9865-02

ITEM# :2481007

LOT# XXXXXXXXXX

EXP: mm - dd - yy

SEE MANUFACTURER'S INSERT
 FOR COMPLETE PRODUCT AND
 PRESCRIBING INFORMATION

Packaged By
 Henry Schein, Inc.
 80 Summit View Lane
 Bastian, VA 24314

MANUFACTURER INFORMATION

Mfr: Hospira

ORIG MFG LOT: XX - XXX - XX

NDC:0409 - 1207 - 03



GTIN:(01)XXXXXXXXXXXXXXXXXX
 SER:(21)XXXXXXXXXXXXXXXXXX
 LOT:(10)XXXXXX
 EXP:(17)XXXXXX

RX ONLY

GENTAMICIN SULFATE

gentamicin sulfate injection, solution

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:0404-9865(NDC:0409-1207)
Route of Administration	INTRAMUSCULAR, INTRAVENOUS		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
GENTAMICIN SULFATE (UNII: 8X7386QRLV) (GENTAMICIN - UNII:T6Z9V48IKG)	GENTAMICIN	40 mg in 1 mL

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0404-9865-02	1 in 1 BAG	01/10/2022	
1		2 mL in 1 VIAL, SINGLE-DOSE; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA062420	01/10/2022	

Labeler - Henry Schein, Inc. (012430880)

Revised: 1/2022

Henry Schein, Inc.