**GENTAVED - gentamicin sulfate solution**
**Vedco, Inc.**

---

**GentaVed® 100 (Gentamicin Sulfate Solution) 100 mg/mL 100 mg/mL**

**Sterile Multi Dose Vial**

**For Use In Horses Only**

**Caution**: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

## DESCRIPTION

Each mL of Gentamicin Sulfate Solution contains gentamicin sulfate veterinary equivalent to 100 mg gentamicin base; 2.4 mg sodium metabisulfite; 0.8 mg sodium sulfite, anhydrous; 0.1 mg edetate disodium; 10 mg benzyl alcohol as preservative; water for injection q.s.

**CHEMISTRY: Gentamicin is a mixture of aminglycoside antibiotics derived from the fermentation of *Micromonospora purpurea*. Gentamicin sulfate is a mixture of sulfate salts of the antibiotics produced in this fermentation. The salts are weakly acidic, freely soluble in water, and stable in solution.**

**ANTIBACTERIAL ACTIVITY**: *In Vitro* antibacterial activity has shown that gentamicin is active against most gram-negative and gram-positive bacteria isolated from domestic animals.[1] Gentamicin is active against *Pseudomonas aeruginosa*, indole-positive and -negative *Proteus* species, *Escherichia coli*, *Klebsiella* species, *Enterobacter* species, *Alcaligenes* species, *Staphylococcus* species, and *Streptococcus* species.

**PHARMACOLOGY**: Studies in man indicate that recommended doses of gentamicin produce serum concentrations bactericidal for most bacteria sensitive to gentamicin within an hour after intramuscular injection; these concentrations last for 6 to 12 hours.[2] Some 30% of the administered dose of gentamicin is bound by serum proteins and released as the drug is excreted.

Gentamicin is excreted almost entirely by glomerular filtration. High concentrations of the active form are found in the urine. Fifty to 100% of the gentamicin injected can be recovered unchanged within 24 hours from the urine of patients with normal renal function. A small amount is excreted into the bile.

**TOXICITY STUDIES**: No toxic effects were observed in rats given getnamicin sulfate 20 mg/kg/day for 24 days; in cats given 10 mg/kg/day for 40 days. Gentamicin sulfate given to dogs at 6 mg/lb/day, 6 days weekly for 3 weeks, caused no detectable kidney damage. At higher doses, impairment of equilibrium and renal function were observed in these species.

## INDICATIONS

GentaVed® 100 (Gentamicin Sulfate Solution) is recommended for the control of bacterial infections of the uterus (metritis) in horses and as an aid in improving conception in mares with uterine infections caused by bacteria sensitive to gentamicin. Bacteriologic studies should be conducted to identify the causative organism and to determine its sensitivity to gentamicin sulfate. Sensitivity discs of the drug are available for this purpose.

## DOSAGE AND ADMINISTRATION

The recommended dose is 20 to 25 mL (2.0 - 2.5 grams) gentamicin sulfate solution per day for 3 to 5 days during estrus. Each dose should be diluted with 200-500 mL of sterile physiological saline before aseptic uterine infusion.

## CONTRAINDICATIONS

There are no known contraindications to this drug when used as directed.

## PRECAUTION

If hypersensitivity to any of the components develops, or if overgrowth of nonsusceptible bacteria, fungi, or yeasts occurs, treatment with GentaVed® 100 (Gentamicin Sulfate Solution) should be discontinued and appropriate therapy instituted. Although GentaVed® 100 (Gentamicin Sulfate Solution) is not spermicidal, treatment should not be given the day of breeding.

**Warning**: Do not use for horses intended for human consumption.

## SIDE EFFECTS

There have been no reports of drug hypersensitivity or adverse side effects following the recommended intrauterine infusion of gentamicin sulfate solution combined with sterile physiological saline in mares.

## HOW SUPPLIED

GentaVed® 100 (Gentamicin Sulfate Solution), 100 mg per mL for intrauterine use, is available in 100 mL and 250 mL multiple dose vials.

**Store between 2º and 30ºC (36º and 86ºF).**

## REFERENCES

1. Hennessey, PW, et al.*In vitro* activity of gentamicin against bacteria isolated from domestic animals.*Veterinary Medicine/Small Animal Clinician*, Nov. 1971; 1118-1122.

2. Black, J, et al. Pharmacology of gentamicin, a new broad spectrum antibiotic.*Antimicrob Agents and Chemother*. 1963, 138-147.

For intra-uterine use in horses only.
**Each mL contains:** Gentamicin sulfate veterinary equivalent to 100 mg gentamicin base; 2.4 mg sodium metabisulfite; 0.8 mg sodium sulfite, anhydrous; 0.1 mg edetate disodium; 10 mg benzyl alcohol as preservative; water for injection q.s.
**Store between 2º and 30ºC (36º and 86ºF).**
**Protect from freezing.**

**TAKE TIME OBSERVE LABEL DIRECTIONS**

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

ANADA 200-395, Approved by FDA

**INDICATIONS:**
GentaVed® 100 (Gentamicin Sulfate Solution) is recommended for the control of bacterial infections of the uterus (metritis) in horses and as an aid in improving conception in mares with uterine infections caused by bacteria sensitive to gentamicin.

**DOSAGE AND ADMINISTRATION:**
The recommended dose is 20 to 25 mL (2.0-2.5 grams) GentaVed® 100 (Gentamicin Sulfate Solution) per day for 3 to 5 days during estrus. Each dose should be diluted with 200-500 mL of sterile physiological saline before aseptic uterine infusion.

**Read accompanying directions carefully.**

**Warning:** Do not use for horses intended for human consumption.

Lot No. Exp. Date

NDC 50989-040-15

# GentaVed® 100
## (Gentamicin Sulfate Solution)
**100 mg/mL**
**Sterile Multiple Dose Vial**
**NET CONTENTS: 250 mL**

**VEDCO**

**CAUTION:** Federal law restricts this drug to use by or on the order of a licensed veterinarian.

**ANADA 200-395, Approved by FDA**

For intra-uterine use in horses only.

**Each mL contains:** Gentamicin sulfate veterinary equivalent to 100 mg gentamicin base; 2.4 mg sodium metabisulfite; 0.8 mg sodium sulfite, anhydrous; 0.1 mg edetate disodium; 10 mg benzyl alcohol as preservative; water for injection q.s.

**Store between 2° and 30°C (36° and 86°F).**
**Protect from freezing.**

TAKE TIME — OBSERVE LABEL DIRECTIONS

G-6336-05 Iss. 08-08

Manufactured by
Sparhawk Laboratories, Inc.
Lenexa, KS 66215, USA

Distributed By
**VEDCO, INC.**
St. Joseph, MO 64507

OPEN HERE

For intra-uterine use in horses only.

**Each mL contains:** Gentamicin sulfate veterinary equivalent to 100 mg gentamicin base; 2.4 mg sodium metabisulfite; 0.8 mg sodium sulfite, anhydrous; 0.1 mg edetate disodium; 10 mg benzyl alcohol as preservative; water for injection q.s.

**Store between 2° and 30°C (36° and 86°F).**
**Protect from freezing.**

TAKE TIME — OBSERVE LABEL DIRECTIONS

G-6336-05 Iss. 08-08

Manufactured by
Sparhawk Laboratories, Inc.
Lenexa, KS 66215, USA

Distributed By
**VEDCO, INC.**
St. Joseph, MO 64507



ANADA 200-395, Approved by FDA

## GentaVed® 100
**(Gentamicin Sulfate Solution)**
**100 mg/mL**
**For Use in Horses Only**

**CAUTION:** Federal law restricts this drug to use by or on the order of a licensed veterinarian.

**DESCRIPTION:** Each mL of Gentamicin sulfate veterinary equivalent to 100 mg gentamicin base; 2.4 mg sodium metabisulfite; 0.8 mg sodium sulfite, anhydrous; 0.1 mg edetate disodium; 10 mg benzyl alcohol as preservative; water for injection q.s.

**CHEMISTRY:** Gentamicin is a mixture of aminoglycoside antibiotics derived from the fermentation of *Micromonospora purpurea*. Gentamicin sulfate is a mixture of sulfate salts of the antibiotics produced in this fermentation. The salts are weakly acidic, freely soluble in water, and stable in solution.



**ANTIBACTERIAL ACTIVITY:** *In vitro* antibacterial activity has shown that gentamicin is active against most gram-negative and gram-positive bacteria isolated from domestic animals.[1] Gentamicin is active against *Pseudomonas aeruginosa*, indole-positive and -negative *Proteus* species, *Escherichia coli*, *Klebsiella* species, *Enterobacter* species, *Alcaligenes* species, *Staphylococcus* species, and *Streptococcus* species.

**PHARMACOLOGY:** Studies in man indicate that recommended doses of gentamicin produce serum concentrations bactericidal for most bacteria sensitive to gentamicin within an hour after intramuscular injection; these concentrations last for 6 to 12 hours.[2] Some 30% of the administered dose of gentamicin is bound by serum proteins and released as the drug is excreted.

Gentamicin is excreted almost entirely by glomerular filtration. High



concentrations of the active form are found in the urine. Fifty to 100% of the gentamicin injected can be recovered unchanged within 24 hours from the urine of patients with normal renal function. A small amount is excreted into the bile.

**TOXICITY STUDIES:** No toxic effects were observed in rats given gentamicin sulfate 20 mg/kg/day for 24 days; in cats given 10 mg/kg/day for 40 days. Gentamicin sulfate given to dogs at 6 mg/lb/day, 6 days weekly for 3 weeks, caused no detectable kidney damage. At higher doses, impairment of equilibrium and renal function were observed in these species.

**INDICATIONS:** GentaVed® 100 (Gentamicin Sulfate Solution) is recommended for the control of bacterial infections of the uterus (metritis) in horses and as an aid in improving conception in mares with uterine infections caused by bacteria sensitive to gentamicin.



Bacteriologic studies should be conducted to identify the causative organism and to determine its sensitivity to gentamicin sulfate. Sensitivity discs of the drug are available for this purpose.

**DOSAGE AND ADMINISTRATION:** The recommended dose is 20 to 25 mL (2.0 - 2.5 grams) gentamicin sulfate solution per day for 3 to 5 days during estrus. Each dose should be diluted with 200-500 mL of sterile physiological saline before aseptic uterine infusion.

**CONTRAINDICATIONS:** There are no known contraindications to this drug when used as directed.

**PRECAUTION:** If hypersensitivity to any of the components develops, or if overgrowth of nonsusceptible bacteria, fungi, or yeasts occurs, treatment with GentaVed® 100 (Gentamicin Sulfate Solution) should be discontinued and appropriate therapy instituted.



Although GentaVed® 100 (Gentamicin Sulfate Solution) is not spermicidal, treatment should not be given the day of breeding.

**Warning:** Do not use for horses intended for human consumption.

**SIDE EFFECTS:** There have been no reports of drug hypersensitivity or adverse side effects following the recommended intrauterine infusion of gentamicin sulfate solution combined with sterile physiological saline in mares.

**HOW SUPPLIED:** GentaVed® 100 (Gentamicin Sulfate Solution), 100 mg per mL for intra-uterine use, is available in 100 mL and 250 mL multiple dose vials.

**Store between 2° and 30°C (36° and 86°F).**



**REFERENCES:**

1. Hennessey, PW, et al. *In vitro* activity of gentamicin against bacteria isolated from domestic animals. *Veterinary Medicine/Small Animal Clinician*. Nov. 1971; 1118-1122.
2. Black, J, et al. Pharmacology of gentamicin, a new broad spectrum antibiotic. *Antimicrob Agents and Chemother*. 1963; 138-147.

# GENTAVED

gentamicin solution

## Product Information

| | | | |
|---|---|---|---|
| **Product Type** | PRESCRIPTION ANIMAL DRUG LABEL | **Item Code (Source)** | NDC:50989-040 |
| **Route of Administration** | INTRAUTERINE | **DEA Schedule** | |

## Active Ingredient/Active Moiety

| Ingredient Name | Basis of Strength | Strength |
|---|---|---|
| **GENTAMICIN SULFATE** (GENTAMICIN ) | GENTAMICIN | 100 mg in 1 mL |

## Packaging

| # | Item Code | Package Description | Marketing Start Date | Marketing End Date |
|---|---|---|---|---|
| **1** | NDC:50989-040-12 | 100 mL in 1 VIAL | | |
| **2** | NDC:50989-040-15 | 250 mL in 1 VIAL | | |

## Marketing Information

| Marketing Category | Application Number or Monograph Citation | Marketing Start Date | Marketing End Date |
|---|---|---|---|
| ANADA | ANADA200395 | 07/31/2007 | |

## Labeler - Vedco, Inc. (021634266)

Revised: 2/2013 Vedco, Inc.