



For Veterinary Use Only

GARASOL[®] INJECTION

(Brand of Gentamicin Sulfate – Veterinary)

For the prevention of early mortality in day-old chickens caused by *Escherichia coli*, *Salmonella typhimurium*, and *Pseudomonas aeruginosa* susceptible to gentamicin sulfate

For the prevention of early mortality in 1- to 3-day-old turkey poults caused by *Arizona paracolon* susceptible to gentamicin sulfate

Advantages:

- **Significantly reduces early chick and poult mortality**
- **Bactericidal at low levels**
- **Safe for crews to handle**
- **No side effects observed when used as directed**
- **Rapid tissue distribution**
- **Prolonged activity in major organs**



GARASOL[®] is Schering-Plough Animal Health Corporation's trademark for its brand of gentamicin sulfate, which is one of the broadest spectrum antibiotics available in the animal health market.

Efficacy and safety has been demonstrated by extensive field trials. No adverse effects were noted, and GARASOL is safe for crews to handle. GARASOL is backed by reliable technical service including field and laboratory assistance.

Supplied in 100 mL multiple-dose vials (100 mg/mL).

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Directions for Use

Each milliliter of GARASOL Injection contains gentamicin sulfate veterinary; equivalent to 100 mg gentamicin base; 3.2 sodium bisulfite; 0.1 mg edetate disodium; 4.5 mg sodium acetate, anhydrous; 3.0 mg glacial acetic acid; 0.8 mg methylparaben and 0.1 mg propylparaben as preservatives; water for injection q.s.

Chemistry

Gentamicin sulfate veterinary is a bactericidal aminoglycoside antibiotic derived from *Micromonospora purpurea* of the Actinomycetes group. It is a powder, readily soluble in water and basic in nature. Gentamicin aqueous solutions do not require refrigeration and are stable over a wide range of temperatures and pH.

Indications

Day-old chickens – GARASOL Injection is recommended for the prevention of early mortality associated with *Escherichia coli*, *Salmonella typhimurium*, and *Pseudomonas aeruginosa* susceptible to gentamicin sulfate. Turkeys – As an aid in the prevention of early mortality of 1- to 3-day-old turkeys associated with *Arizona paracolon* infections susceptible to gentamicin sulfate.

Administration and Dosage

Chickens:

Each day-old chicken should be aseptically injected subcutaneously in the neck with GARASOL Injection diluted with sterile, physiologic saline solution to provide 0.2 mg gentamicin in a 0.2 mL dose. This concentration can be provided by diluting GARASOL as follows:

GARASOL mL	Sterile Saline mL	Dose/Chicken	
		# Doses	mL
1	99	500	0.2
2	198	1000	0.2
4	396	2000	0.2
10	990	5000	0.2
100 (1 bottle)	9900	50000	0.2

Turkeys:

Each 1- to 3-day-old turkey should be aseptically injected subcutaneously in the neck with GARASOL Injection diluted with sterile, physiologic saline solution to provide 1 mg gentamicin in a 0.2 mL dose. The dose should be injected under the loose skin on top of the neck, halfway between the head and base of the neck. This concentration can be provided by diluting GARASOL as follows:

GARASOL mL	Sterile Saline mL	# Doses	Dose/Turkey
			mL
1	19	100	0.2
2	38	200	0.2
4	76	400	0.2
10	190	1000	0.2
100 (1 bottle)	1900	10000	0.2

Clean and sterilize needles and syringes by boiling in water for 15 minutes prior to use. Disinfect the injection site and top of the bottle with a suitable disinfectant, such as 70% isopropyl alcohol. Use all precautions to prevent contamination of vial contents.

Warning

For use in day-old chickens and 1- to 3-day-old turkeys only. Chickens injected with GARASOL Injection must not be slaughtered for food for at least five (5) weeks following treatment. Turkeys injected with GARASOL Injection must not be slaughtered for food for at least nine (9) weeks following treatment.

Precautions

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

Ask your Schering-Plough Animal Health Corporation sales or technical services representative to design a custom vaccination control program to meet your needs.

 Schering-Plough Animal Health
EXPERTISE... COMMITMENT... VALUE

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