

## **NEOMYCIN 20% W.S.P.**

### **Composition:**

Contains per g water soluble powder:

Neomycin sulphate ..... 200 mg

### **Description:**

Neomycin is an aminoglycoside antibiotic and calcium channel protein inhibitor. Neomycin binds to prokaryotic ribosomes inhibiting translation. Absorption of neomycin sulfate after oral administration is limited to approximately 3% and it is therefore mainly active against the Gram-negative bacteria located into the gastrointestinal tract. Bacteria with an MIC  $\leq$  8 g/ml are regarded as susceptible.

### **Indications:**

For oral treatment of gastro-intestinal infections in cattle, sheep, goats, swine, poultry, horses, dogs and cats, caused by microorganisms susceptible to neomycin, specifically E.coli, Campylobacter spp., Salmonella spp.

### **Contraindications:**

Hypersensitivity to aminoglycosides. Severe renal impairment. Utilization in pregnant animals is permitted only after a risk/beneficio assessment performed by the responsible veterinarian.

### **Dosage and administration:**

For oral administration:

- Cattle: 10 - 20 mg neomycin sulfate per kg body weight, equivalent to 5 - 10 g of Neomycin 20% w.s.p. per 100 kg body weight, daily, up to 14 days.
- Sheep and goats: 10 mg neomycin sulfate per kg body weight, equivalent to 2.5 g of Neomycin 20% w.s.p. per 50 kg bodyweight, daily, up to 14 days.
- Swine: 10 - 15 mg neomycin sulfate per kg body weight, equivalent to 5 - 7.5 g of Neomycin 20% w.s.p. per 100 kg body weight, daily, up to 14 days.
- Poultry (chickens, turkeys, ducks): 10 - 30 mg neomycin sulfate per kg body weight, equivalent to 50 - 150 g of Neomycin 20% w.s.p. per 150-200 litres of drinking water, daily, up to 7 days.

Medicated water should be provided as sole source until consumed, followed by non-medicated water as required. Fresh medicated water should be prepared every day.

Treatment should continue 24 to 48 hours beyond remission of disease symptoms, but not to exceed the maximum duration as indicated above. Animals not drinking or eating should be treated individually by drench.

- Horses: 10 - 20 mg neomycin sulfate per kg body weight, equivalent to 5 - 10 g of Neomycin 20% w.s.p. per 100 kg body weight, daily, up to 14 days, administered in drinking water.
- Dogs: 10 - 20 mg neomycin sulfate per kg body weight, equivalent to 0.5 - 1 g of Neomycin 20% w.s.p. per 10 kg body weight, twice daily, as required, administered in drinking water.

For a proper dosage the body weight should be determined with accuracy.



**Side effects:**

Rarely, oral neomycin may cause ototoxicity, nephrotoxicity, severe diarrhoea and intestinal malabsorption.

**Precautions and warnings:**

It is recommended that the susceptibility of the causative microorganisms is established before treatment is commenced.

Dosage may need to be adjusted to reflect herd or flock water consumption.

**Withdrawal times:**

Meat and offals: 1 day

Milk: 1 day

Eggs: 1 day

**Storage conditions:**

Store dry, dark and below 25°C. Do not freeze.

**Packing:**

100 g sachets and 1 kg jars.