

**SPELIMIX® 100**  
**Water-soluble powder for oral administration**

**Description**

White powder.

**Composition**

150 g of the drug contains:

*active ingredients*: lincomycin hydrochloride – 33.3 g; spectinomycin sulfate – 66.7 g;

*excipient*: lactose.

**Pharmacological properties**

Spelimix® 100 is a complex drug, which represents a combination of such antibiotics as lincomycin and spectinomycin with a broad spectrum of synergistic antimicrobial effect.

*Lincomycin* is an antibiotic of the lincosamides group. It inhibits synthesis of protein in microorganisms, binding ribosomal 50S subunits of bacterial cells. It demonstrates bacteriostatic or bactericidal action depending on concentration. It acts mostly upon gram-positive (*Staphylococcus spp.*, *Streptococcus spp.*, *Bacillus anthracis*, *Corynebacterium spp.*) and gram-negative microorganisms (*Actinobacillus spp.*, *Bordetella spp.*, *Nocardia spp.*, *Actinomyces spp.*) and is particularly effective against *Serpulina hyodysenteriae* and *Mycoplasma spp.*

*Spectinomycin* is an antibiotic of tricyclic structure of the aminoglycosides group. Its efficacy is related to inhibition of synthesis of proteins in microbial cell through binding of ribosomal 30S subunit of microorganisms, which prevents elongation of polypeptide chain at translocation stage. It is mostly effective against gram-negative and gram-positive microorganisms (*E. coli*, *Pasteurella multocida*, *Salmonella spp.*, *Clostridium spp.*, *Erysipelothrix rhusiopathiae*, *Haemophilus spp.*, *Vibrio spp.*) as well as mycoplasma (*Mycoplasma spp.*).

**Administration**

Treatment of poultry (broilers, breeders, pullets) and swine against enzootic pneumonia, salmonellosis, dysentery, MMA (mastitis-metritis-agalactia) syndrome, necrotic enteritis, colibacillosis, mycoplasmosis and other diseases of digestive tract and respiratory organs caused by lincomycin- and spectinomycin-sensitive microorganisms.

**Dosage**

Administer orally with drinking water in the following doses:

- **piglets**: 10 mg of active ingredients per 1 kg body weight daily (1.5 g of the powder per 100 kg body weight) or 150 g of the drug per 1500 l of drinking water. Treatment period: 4-7 days;
- **broilers, breeders, pullets**: 150 g of the drug per 150-200 l of drinking water for 5-7 days.

The solution of the drug must be the only source of drinking water throughout the whole treatment period!

**Contraindications**

Do not administer to animals with hypersensitivity to lincomycin and spectinomycin as well as to hens laying eggs for human consumption. Do not prescribe to pregnant or lactating sows. Do not administer in combination with penicillin, cephalosporins and macrolides.

**Precautions**

Slaughter of swine for meat is possible in 3 days and of poultry – in 2 days following the last administration of the drug. Meat obtained before the mentioned term shall be utilized or fed to non-productive animals depending on the statement of veterinary physician. In some cases administration of the drug may cause redness of skin and mucous membranes in swine, though, no withdrawal is required then.

**Packaging**

Bags of film or foil materials of 150 g.

**Storage**

Store in a dry, dark place out of the reach of children at 0-30°C.

**Shelf life**

2 years.

24 hours after dissolution in drinking water.