

**SPELIMIX<sup>®</sup> 44**  
**Powder for oral administration**

**Description**

White to yellowish powder.

**Composition**

1 g of the drug contains:

*active ingredients*: lincomycin hydrochloride – 22 mg; spectinomycin sulfate – 22 mg;

*excipient* - semolina.

**Pharmacological properties**

Spelimix<sup>®</sup> 44 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 hens (broiler chickens, breeding hens, 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 feed individually to every animal or by group method in the following doses:

- 2 kg of Spelimix<sup>®</sup> 44 per 1 ton of feed for 5-7 days.

It is recommended that the drug be mixed up with 3-10% of total feed quantity first and then the obtained blend be mixed with the rest of the feed.

**Contraindications**

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

**Precautions**

Slaughter of poultry for meat is possible 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.

Do not prescribe Spelimix<sup>®</sup> 44 in sub-therapeutic doses.

**Packaging**

Bags of film or foil materials of 1 000 g and paper bags of 25 kg.

**Storage**

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

**Shelf life**

1 year.