

## **AMOXILEK** **(suspension for injections)**

### **Description**

Yellowish-white suspension.

### **Composition**

1 ml of the drug contains:

*active ingredients:* amoxicillin (amoxicillin trihydrate) - 150 mg; gentamicin (gentamicin sulfate) - 40 mg;  
*excipient* - vegetable oil.

### **Pharmacological properties**

**ATCvet: QJ01RA01** - antibacterial veterinary drugs for systemic use. Combinations of antibacterial drugs. Penicillins, combinations with other antibacterials.

*Amoxicillin* is a broad-spectrum bactericidal antibiotic of the penicillin group. It is effective against gram-positive (*Staphylococcus spp.* strains, not producing penicillinase, *Clostridium spp.*, *Arcanobacterium spp.*, *Bacillus anthracis*, *Listeria monocytogenes*, *Erysipelothrix rhusiopathiae*) and gram-negative microorganisms (*Pasteurella spp.*, *Mannheimia haemolytica*, *Haemophilus spp.*, *Actinobacillus spp.*, *Escherichia coli*, *Salmonella spp.*, *Moraxella spp.* and *Fusobacterium spp.*). Amoxicillin inhibits mucopeptide synthesis – one of the bacterial cell wall components, ensuring mechanical stability of microorganism, and thereby destroys bacteria in its growth stage.

*Gentamicin* belongs to aminoglycoside antibiotics. It provides bactericidal effect against gram-negative microorganisms such as: *Enterobacter aerogenes*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Salmonella spp.* and *Shigella spp.* Gentamicin is also effective against such gram-positive bacteria as: *Treponema hyodysenteriae*, *Staphylococcus aureus* and  $\beta$ -hemolytic *Streptococcus*. It makes direct effect upon ribosomes, where it inhibits biosynthesis of proteins and decreases accuracy of genetic code translation. Penetration of gentamicin into bacterial cell intensifies as its wall permeability increases under amoxicillin effect. This synergism makes it possible to use less aminoglycosides.

The combination of amoxicillin and gentamicin creates a broad antibacterial range upon gram-positive (primarily streptococci, staphylococci and corynebacterium) and gram-negative microorganisms (particularly, *Escherichia coli*, *Pasteurella spp.*, *Salmonella spp.* and *Pseudomonas spp.*). This combination improves therapeutic properties of each of these separately administered antibiotics.

### **Administration**

Treatment of animals against diseases caused by amoxicillin- and gentamicin-sensitive microorganisms:

**swine:** pneumonia, diarrhea, enteritis, colibacteriosis, metritis, mastitis;

**sheep and goats:** pneumonia, diarrhea, enteritis, pasteurellosis, colibacteriosis;

**cattle:** pneumonia, diarrhea, enteritis, mastitis, metritis, superficial abscess;

**horses:** pneumonia, diarrhea, enteritis, superficial abscess, genitourinary and limb diseases.

### **Dosage**

Administer the drug intramuscularly in a dose of 1 ml per 10 kg body weight of an animal once daily for 3-5 days. Shake the vial thoroughly before use.

### **Contraindications**

Do not administer to animals with individual hypersensitivity to amoxicillin and gentamicin. Do not administer to non-target animals. Do not administer to rabbits, hamsters, guinea pigs and other small herbivorous animals. Do not administer to animals with kidney function disorders, ear and labyrinth disorders.

### **Precautions**

Animal slaughter for meat is possible in 30 days following the last drug administration. Meat, obtained before the mentioned term shall be utilized or fed to non-productive animals depending on the statement of a veterinary physician.

### **Packaging**

Glass vials of 50 and 100 ml sealed with rubber stoppers and aluminum caps.

**Storage**

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

**Shelf life**

2 years.

28 days after initial opening, provided it is stored at 2-8 °C in the original packaging.

*For veterinary use only!*