

Ausyl
(ear ointment)
package-leaflet

Description

Ointment of pale-yellow color.

Composition

1 g of the medicinal product contains active substances:

neomycin sulfate – 3500 IU,

nystatin – 100 000 IU,

permethrin – 10 mg,

triamcinolone acetonide – 1 mg.

Excipients: polyethylene wax, vaseline.

Pharmacological properties

ATC vet classification code QS02 - veterinary medicinal product used in otology. QS02CA04 - Triamcinolone and antimicrobials.

Ausyl refers to combined medicinal products for auricular (ear) use. The medicinal product, due to the combination of active substances with a different mechanism of action, has antimicrobial, acaricidal, fungicidal and anti-inflammatory effects.

Neomycin is an antibiotic from the aminoglycoside group that acts bactericidal on gram-positive (*Staphylococcus spp.*, *Corynebacterium spp.*, *Bacillus spp.*) and most gram-negative (*Escherichia coli*, *Klebsiella spp.*, *Salmonella spp.*, *Shigella spp.*, *Proteus spp. etc.*) bacteria. It penetrates the bacterial cell membrane, binds to specific receptor proteins on the 30S ribosome subunit, disrupts the formation of a complex of transport and messenger RNA, and stops protein synthesis.

Nystatin is an antibiotic of the polyene group with a fungicidal effect and is especially effective against pathogenic fungi of the genera *Malassezia*, *Candida* and *Aspergillus*. It binds to sterols of the fungal cell membrane, as a result of which it becomes unable to function as a selective barrier, which leads to the loss of the main components of the cell.

Permethrin is a synthetic pyrethroid with acaricidal and insecticidal properties. It causes the violation of the ionic permeability of sodium channels and inhibition of the polarization (repolarization) processes of the membranes of the nerve cells of lice, fleas, ticks and other arthropods, which leads to their paralysis. In the ears of dogs and cats, it acts mainly on ticks of the species *Otodectes cynotis*.

Triamcinolone acetonide is a synthetic fluorinated glucocorticoid with pronounced anti-inflammatory, anti-allergic, desensitizing and sedative effects. It suppresses the function of leukocytes and tissue macrophages. It limits the migration of leukocytes in the areas of inflammation. It violates the ability of macrophages to phagocytosis, as well as the formation of interleukin-1. It promotes the stabilization of lysosomal membranes, thereby reducing the concentration of proteolytic enzymes in the area of inflammation, reduces capillary permeability due to the release of histamine.

Neomycin sulfate, nystatin and triamcinolone acetonide are not absorbed through the skin and inner lining of the ears. Absorption of permethrin through the skin does not exceed 2%. Permethrin, which has been absorbed, after entering the systemic circulation, is rapidly hydrolyzed to inactive metabolites and is excreted with the urine.

Indication

Treatment of dogs and cats with otitis and dermatitis of external acoustic meatus caused by bacteria, fungi and mites (including *Otodectes cynotis*) sensitive to neomycin, permethrin and nystatin.

Dosage

Before using the medicinal product, it is recommended to carry out hygienic cleaning of the auricle and external acoustic meatus.

Introduce a small amount of the medicinal product (about 5 mm in diameter) into the external acoustic meatus, massage gently at the base of the ear and remove any excess of medicinal product from the auricle. The medicinal product is used once a day until the animal is fully recovered, and in case of otodectosis - for 21 days (the period of the reproductive cycle of *Otodectes cynotis* ticks). In case of otodectosis, the medicinal product must be injected into both ears, even if there are involvement symptoms in only one.

Contraindications

Do not administer to animals with hypersensitivity to the medicinal product components and in case of tympanic membrane perforation. Do not administer to cats weighing less than 1,5 kg, as well as to kittens under 8 weeks of age. It is not administered during pregnancy and lactation. Do not administer to productive animals.

Warning

Side effect

When using the medicinal product in recommended doses, side effects and complications in animals, as a rule, are not observed. In case of an overdose of the medicinal product in animals, skin irritation in the area of the auricle and acoustic meatus may be observed. Sometimes, hearing impairments are recorded in older animals that do not require outside intervention and treatment. It is very rare for cats to develop neurological symptoms such as locomotor ataxia and shivering. In this case, the treatment of the animals is stopped.

Precautions for use

Before using the medicinal product, make sure that there is no tympanic membrane perforation.

Use during pregnancy, lactation

Do not administer to pregnant or lactating animals.

Interaction with other means and other forms of interaction

Direct interaction with other medicinal products has not been established.

It is forbidden to use simultaneously with other aminoglycoside medicinal products, as well as with other medicinal products for auricular use.

Packaging

Tubes made of aluminum or made of polymeric materials of 10, 20 and 30 g.

Storage

Dry, dark place, out of reach of children at a temperature from 15 °C to 25 °C.

Shelf life - 2 years.

After opening the tube, the medicinal product must be used within 28 days.

For use in veterinary medicine!

Holder of the marketing authorization:

BROVAPHARMA LTD

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Manufacturer of the finished product:

BROVAPHARMA LTD

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