

# Neomycinsulfat

1000 mg/g, powder for oral administration with the feed,  
the drinking water or the drink

in cattle (calves), sheep (lambs), pigs,  
and chickens (broiler, laying hens) and turkeys

## Composition

1 g powder contains:

Pharmacological active substance:

Neomycin sulfate 1000 mg

White to slightly yellowish powder.

Available on prescription only!

MAH-No: 9187.00.01



## Target species

Cattle (calf), sheep (lamb), pig, broiler, laying hen and turkey.

## Indications for use

Treatment of infections of the gastro-intestinal tract caused by bacteria susceptible to neomycin (*E. coli*, *Salmonella* spp., *Campylobacter* spp.) in calves, lambs, pigs, broiler, laying hens and turkeys.

## Contraindications

Do not use in

- resistance to neomycin, kanamycin, gentamicin, streptomycin and dihydrostreptomycin.
- animals hypersensitive to neomycin or another aminoglycoside antibiotic.
- animals with dysfunction of liver or kidney and disturbances of the auditory or equilibrium function.
- in pregnant animals.
- in ruminating animals.

Do not use concomitantly with strong diuretics or potential nephrotoxic drugs. Do not combine with other aminoglycoside-antibiotics or antibiotics acting bacteriostatic. The concomitant use with muscle relaxants without a previous dose reduction is contraindicated.

## Special warnings

### Special precautions for safe use in the target species

The application of the veterinary medicinal product should be done principally under consideration of a susceptibility testing and under strict indications.

Neomycin shows only a small therapeutic range, therefore, to avoid overdose, dosage according to body weight has to be strictly observed.

### Special precautions to be taken by the person administering the veterinary medicinal product to animals

To avoid sensitisation or contact dermatitis, direct skin contact and inhalation should be avoided during handling, processing and/or use. Wear a dust mask and gloves when handling the veterinary medicinal product.

### Pregnancy:

Do not use during gestation.

Neomycin passes the placenta and may show ototoxicity or nephrotoxicity in the fetus.

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## Interaction with other medicinal products and other forms of interaction

Mixing with other drugs should be avoided due to possible incompatibilities.

When other pharmaceuticals are applied concomitantly, neomycin can possibly be inactivated.

Avoid the combination with chemotherapeutics acting bacteriostatic.

Do not use concomitantly with other oto- or nephrotoxic drugs.

Drug interactions are possible with anaesthetics and phenothiazine derivates. The neuromuscular blocking effect of neomycin is intensified by muscle relaxants.

## Overdose

Excessive dosages can lead to respiratory distress and circulatory depression. They can be partially antagonized by a rapid intravenous administration of neostigmine and calcium.

Due to the oto- and nephrotoxicity of neomycin, corresponding symptoms are to be expected following overdosing. Immediate discontinuation of the drug is required.

## Major incompatibilities

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products Aminoglycosides, such as neomycin, are incompatible with solutions, that alter the pH.

No information is available on potential interactions or incompatibilities of this veterinary medicinal product administered orally by mixing into drinking water or liquid feed containing biocidal products, feed additives or other substances used in drinking water.

## **Adverse events**

Target animal species: Cattle (calf), sheep (lamb), pig, broiler, laying hen and turkey.

Very rare ( $<1$ animal / 10,000 animals treated, including isolated reports):	Impaired hearing <sup>1</sup> , vestibular disorder <sup>1</sup> , Renal disorder <sup>1</sup> Convulsions <sup>1,2</sup> , dyspnoea <sup>1,2</sup> , collapse <sup>1,2</sup> Diarrhoea <sup>3</sup> , digestive tract malabsorption disorder <sup>3</sup> Allergic reactions (allergic skin reaction, anaphylactic reaction <sup>4</sup> )
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<sup>1</sup> Particularly in cases of pre-existing damage to the intestinal mucosa and after longer than the intended duration of use

<sup>2</sup> Due to neuromuscular blockages. Can be partially antagonised by neostigmine and calcium administration

<sup>3</sup> Due to gastrointestinal damage after repeated oral administration

<sup>4</sup> Occurs immediately

On the incidence of adverse reactions, please withdraw the pharmaceutical immediately and treat symptomatically.

In anaphylactic shock: epinephrine (adrenalin) and glucocorticoids i.v./i.m.

In allergic skin reactions: antihistaminics and /or glucocorticoids.

Cross-allergy with other aminoglycoside antibiotics possible.

If side effects occur, discontinue use of the veterinary medicinal product and notify the treating veterinarian.

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If you notice any side effects, even those not already listed in this package leaflet, or you think that the medicine has not worked, please contact, in the first instance, your veterinarian.

## **Dosage for each species, routes and method of administration**

For oral administration with the feed, the drinking water or the milk.

Calves, lambs, pigs:

10 mg Neomycinsulfat per kg body weight (b.w.) per day

Broilers, laying hens, turkeys:

30 mg Neomycinsulfat per kg body weight (b.w.) per day

Dissolve the needed amount of powder completely and every day fresh in a small part of water and add to drinking water.

The powder is to be mixed for each application fresh into the ready to use and cooled down milk substitute (app. 37.5 °C). Ensure a complete mixing and administer prior to the feeding.

The needed amount of powder must be mixed for each application freshly into a part of the food. Ensure a complete mixing and administer prior to the feeding. It has to be ensured that the designated dose is taken up completely.

To ensure an equable water intake by all animals to be treated, sufficient watering places have to be provided. In case of outdoor housing, the animals should be kept in the stable during the duration of treatment.

The dosage has to be adjusted to the actual, real daily intake of drinking water by the animals as this varies in dependence on the age, state of health, purpose of the animals and the way of rearing (e.g. varying ambient temperature, different light patterns).

For the above mentioned dose, the amount of Neomycinsulfat to be mixed into the drinking water for the animals to be treated can be calculated according to the following formula:

$$\frac{\dots \text{ mg veterinary medicinal product per kg body weight/day} \times \text{ average body weight (kg) of animals to be treated}}{\text{average daily intake of drinking water (l) per animal}} = \frac{\dots \text{ mg veterinary medicinal product}}{\text{per l drinking water}}$$

In animals with obviously disturbed state of health and/or in animals showing inappetence, a preparation to be administered parenterally shall be preferred.

The duration of treatment is in general 3 days. Continue the treatment for two more days after subsidence of clinical symptoms.

Should there be no significant improvement of the state of health after 3 days of treatment, review diagnosis and change therapy, if necessary.

After conclusion of the treatment, the drinking equipment has to be cleaned thoroughly in a suitable manner to avoid the intake of subtherapeutic, especially resistance-promoting residual amounts of the applied antibiotic.

## **Advice on correct administration**

See section "Dosage for each species, routes and method of administration".

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## Withdrawal periods

Calf, lamb, pig:	edible tissues: 14 days
Broilers, laying hens and turkeys:	edible tissues: 7 days, eggs: Zero days

## Special storage precautions

Keep out of the sight and reach of children.

Do not store above <25 °C after opening.

Keep the container tightly closed.

Protect from light.

Store in a dry place.

Do not use this veterinary medicinal product after the expiry date which is stated on the label after Exp. The expiry date refers to the last day of that month.

Shelf life after first opening the immediate packaging: 7 days.

Shelf life after reconstitution in the drinking water according to directions: 12 hours

Shelf life after reconstitution in the milk according to directions: 4 hours

Shelf life after mixing into meal: use up immediately.

Any residual quantities of the veterinary medicinal product remaining in the container after the expiry date should be discarded.

## Special precautions for disposal

Remaining quantities shall be preferably given to national collecting systems. When wasted together with the general household waste, it has to be ensured that no misuse of the pharmaceutical is possible. Veterinary pharmaceuticals must not be wasted with waste water or sewage systems. These measures should help to protect the environment. Ask your veterinary surgeon or pharmacist how to dispose of medicines no longer required.

## Classification of veterinary medicinal products

Veterinary medicinal product subject to prescription.

## Marketing authorisation numbers and pack sizes

9187.00.01

OP 500 g (folding box with PE inner lining)

OP 1 kg (folding box with PE inner lining)

OP 5 kg (Kard-O-Seal bag)

BP 12 x (1 x 500 g) (folding box with PE inner lining)

Not all packaging sizes may be marketed.

## Date on which the package leaflet was last revised

08.09.2025

Detailed information on this veterinary medicinal product is available in the Union Product Database (<https://medicines.health.europa.eu/veterinary>).