

**For Veterinary Use Only**

# Neozid<sup>®</sup>

**Powder for Oral Solution**

**Veterinary Intestine Antibacterial**

## **COMPOSITION**

Neozid Powder for Oral Solution is off-white viscous powder containing neomycin sulphate equivalent to 500mg neomycin per 1g powder.

## **PHARMACOLOGICAL PROPERTIES**

Neomycin sulphate is an antibiotic belonging to aminoglycoside group. Effect mechanism of neomycine is based on inhibiting protein synthesis in bacteria by deteriorating the binding of m RNA to ribosomal sub-units of 30 S and by causing a misreading of codons on the RNA.

Neomycin is effective against primary gram-negative bacteria bakterilere (E.coli, Enterobacter aerogenes, Pasteurella spp., Pr vulgaris, Salmonella spp., Shigella spp., H.influenza, N.meningiditis, Vibrio cholerae) and certain gram-positive bacteria (Staph. aureus, Str. faecalis). Sensitivity of Klebsiella spp and E.coli, Pseudomonas spp. is comparatively less. Strep. Pyogenes and streptococcus viridans are resistant.

When administered orally, it is used in treatment of bacterial infections located in digestive track of domestic animals due to its low absorption rate (3%). Neomycine is a long-lasting antibiotic in acidic mediums. After oral administration, it preserves antibacterial efficacy as it can be maintained in the intestine without being decomposed. Absorption is significantly low when neomycine sulfate is administered orally due to its high polarity and cationic structure. It does not reach therapeutic dose in blood. Therefore oral administration is not appropriate for treatment of systemic infections. 97% of the drug is excreted in faeces in active form without being changed. The little amount of absorbed neomycine is rapidly distributed within the body, binds to proteins in a low ratio and is excreted through kidneys.

## **AREA OF USE/INDICATIONS**

It is administered for the treatment of bacterial enteritis caused by sensitive bacteria such as E. coli, Salmonella , Haemophilus, Pseudomonas, Proteus in cattle, horse, sheep, goats, dogs, cats and hens.

## **USAGE AND DOSAGE**

Unless otherwise recommended by the veterinary surgeon, treatment dose is 10mg/kg live weight/day, notwithstanding the animal species.

Accordingly, it is adequate to administer 0.5g for each 25kg live weight per day to calf, lamb and yeans; 1g for each 50kg live weight per day to cattle, sheep and goat; 0.1g for each 5kg live weight per day to cays and dogs; and 2g powder for each 100kg live weight per day to hens during mass administrations. Except for the hens, the product is administered by mixing with an amount of water for other species, whereas it is added into daily drinking water for hens.

The treatment should be carried for 3-5 days.

## **SPECIFIC CLINICAL INFORMATION AND SPECIAL WARNINGS FOR TARGET SPECIES:**

As it does not reach therapeutic level in blood via oral administration, it is not used for the treatment of systemic infections and septicaemias. Oral or parenteral liquid-electrolyte administrations are recommended in cases of dehydration caused by the excessive loss of liquid-electrolyte.

Due to the fact that the absorption capacity of the digestive system is very effective, particularly, during the first prenatal 24-48 hours, certain substances whose absorption is highly restricted in adults may be absorbed in newborns in a way that it will result in intoxication. This factor should be taken into consideration in newborns.

### **UNDESIRE/SIDE EFFECTS**

Since it has a broad tolerance and low systemic effect, there is no undesired side effect in respect of recommended doses and application periods. In case of administration for longer periods than the recommended or repetition of treatment cures, the natural balance of the intestine microflora may be deteriorated and side effects may occur such as digestive troubles and constipation. Dose limits should be observed and the drug should not be used for more than 5 consecutive days.

### **DRUG INTERACTIONS**

When administered orally, despite it is rapidly absorbed, aminoglycosides should not be used concurrently with autotoxic, neurotoxic, nephrotoxic drugs having a neuromuscular blocking effect; other aminoglycosides and furosemide; cephalosporins, methoxyflurane, amphotericin B, polymyxins and tetracyclines. Avoid using with mineral feed additives.

### **WARNINGS ON DRUG RESIDUES IN FOOD**

Withholding Period (WHP); Cattle, sheep, goats, hens and turkeys should not be sent for slaughter during the treatment and before 1 day after the final administration.

Eggs obtained should not be offered for human consumption during the treatment and before 1 day following the final administration. Purification time for drug residues is 0 day for milk.

### **CONTRAINDICATIONS**

Avoid aminoglycoside administration to animals with kidney failure and diseases regarding the organs of balance and hearing.

### **GENERAL WARNINGS**

Consult your veterinary surgeon before use.

Keep out of reach of children.

Consult your veterinary surgeon in case an unexpected effect is observed.

### **STORAGE CONDITIONS AND SHELF LIFE:**

Store at room temperature (15 – 25°C) away from moisture and light. Shelf life is 6 years as of the production date.

### **COMMERCIAL PRESENTATION FORM**

Presented to the market in 20g (20 pieces) and 100g (10 pieces) aluminium folio bags and 500g and 1000g white coloured, high-density polyethylene jar packages placed into cardboard boxes.

### **PLACE AND CONDITIONS OF SALE**

Sold with Veterinary Surgeon prescription in pharmacies and veterinary surgeries (VSP).

**APPROVAL DATE OF PACKAGE INSERT:** 27.10.04

**MINISTRY OF AGRICULTURE AND RURAL AFFAIRS MARKETING AUTHORIZATION DATE - NO:**

22.03.2002-11/1023

**NAME AND ADDRESS OF MARKETING AUTHORIZATION OWNER:**

**Alke Saęlık Ürünleri San. ve Tic. A.Ş**

Dolayoba, Çınardere Mh. 3. Petek Sk.

No: 18, 34896 Pendik-ISTANBUL

**NAME AND ADDRESS OF MANUFACTURER COMPANY:**

**Alke Saęlık Ürünleri San. ve Tic. A.Ş**

Merkez Organize Sanayi Bölgesi 2. Kısım 10. Cadde No:7 Tokat

**BATCH NO**

**PRODUCTION DATE**

**EXPIRY DATE**

**RETAIL SALES PRICE (VAT INCLUDED)**