PANVET® 50 mg/g Powder for oral solution (colistin sulphate)

COMPOSITION

<table>
<thead>
<tr>
<th>Content</th>
<th>Panvet® 50 mg/g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colistin sulphate</td>
<td>50 mg</td>
</tr>
<tr>
<td>Excipients: Lactose monohydrate carrier</td>
<td>Up to 1 g</td>
</tr>
</tbody>
</table>

PHARMACOLOGICAL ACTION

Colistin is antibiotic of the polymixines group. It acts bacteriocidically by damaging the permeability of bacterial membrane. The antibacterial activity of colistin is directed mainly to Gram-negative microorganisms (Escherichia coli, Klebsiella spp., Enterobacter spp., Salmonella spp., Shigella spp., Haemophilus influenzae, Brucella spp., Pseudomonas aeruginosa, Acinobacter spp.). In peroral application colistin practically is not resorbed by the gastrointestinal tract. It is excreted mainly through the faeces and to some extent with the urine. Due to the big size and specific characteristics of the molecule, colistin acts only in the intestines lumen, as at the same time adsorbs the excreted bacterial toxins. The toxins are excreted through the faeces without being resorbed by the intestinal wall and entering in the blood flow.

INDICATIONS

In infectious enteritis, induced by Gram-negative bacteria, sensitive to colistin: Salmonella spp., E. coli, Shigella spp., Haemophilus, Pseudomonas, Aerobacter, Pasteurella spp.

CONTRAINDICATIONS

Not established.

MODE OF ADMINISTRATION

Orally, after dissolution in the drinking water or well-mixed with the feed. The medicated water should be freshly prepared each 24 hours.

TARGET SPECIES

Calves, pigs, poultry and rabbits.

DOSAGE

For therapy:
Calves and pigs: 100 000 IU/kg b.w.; approximate doses 8-9 g/100 kg b.w.
Recommended scheme in pigs via mixing with feed:

<table>
<thead>
<tr>
<th>Therapy or prophylactics of:</th>
<th>Category</th>
<th>PANVET®, kg/t</th>
<th>Period of application, days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enteritis (therapy)</td>
<td>Pigs</td>
<td>2 kg</td>
<td>5-7</td>
</tr>
<tr>
<td>Enteritis, MMA complex,</td>
<td>Sows and sucking piglets</td>
<td>1+1.5 kg</td>
<td>5-7</td>
</tr>
<tr>
<td>Edema (prophylactics)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enteritis, Edema (prophylactics)</td>
<td>Piglets at weaning and weaned pigs</td>
<td>1 kg</td>
<td>5-10</td>
</tr>
</tbody>
</table>

* The molecule is resistant to thermal treatment during feed granulation.

**Poultry and rabbits:** 75 000 IU/kg b.w.; 8-9 g/100 kg b.w. daily in the feed or 1 g/L water in the course of 3 consecutive days.

For prophylactics
Panvet® is applied in a dose ½ of the therapeutic - 0.5 g/L water.

**SIDE EFFECTS**
None reported so far.

**WITHDRAWAL PERIOD**
Meat: 2 days.
Eggs: 0 days.

**STORAGE**
In the original container in dry and well-ventilated facilities protected from direct sunlight.

**PACKING**
Aluminum sachets of 10 g, 100 g or 1000 g.
Plastic bottles of 10 g or 100 g.
Double polyethylene bag in outer 3-ply paper bag of 25 kg.

**WARNING**
Special precautions to be taken by the person administering the product to animals
Do not eat, drink or smoke while handling the product.
After use, wash hands with water and soap.

**FURTHER INFORMATION**
Antagonism with other antibiotics, sulphonamides, vitamins and micro- and macro-elements is absent. No signs of intoxication are observed when the product is applied in doses, 2-3 higher than the therapeutic one.