PANDEX 1% injectable solution

**COMPOSITION**
Ivermectin - 0.01 g.
Excipients up to 1.0 ml.

**PHARMACOLOGICAL ACTION**
Ivermectin acts as an endectocide (simultaneously against endo- and ectoparasites). It causes paralysis of the nematodes and the arthropods (insects and acarids) by suppressing the transmission of the nerve impulses in the interneuron synapses of nematodes as well as in the neuromuscular synapses of arthropods. This is realized by stimulation of the release of gamma-aminobutyric acid (GABA) from the presynaptic nerve endings which increases its binding to the postsynaptic receptors. In this way the transmission of nervous impulses is interrupted which causes paralysis and death of parasites.

Ivermectin is well tolerated by mammals (because in them GABA is localized only in the central nervous system and ivermectin cannot pass through the blood-brain barrier).

Ivermectin affects both nematode adult forms and larvae (fourth stage) of inhibited lung helminths as well as Hypoderma migratory larvae. Ivermectin does not induce teratogenic and embryotoxic effect. It is well tolerated by pregnant animals. It does not affect the reproduction functions of male brood animals.

**INDICATIONS**
In large ruminants - gastrointestinal and pulmonary nematodiasis (ostertagiasis, hemonchosis, trichostrongylosis, cooperiasis, parafilariasis, oesophagostomosis, bunostomiasis, nematodiriasis, dictyocaulosis); eye nematodiasis (thelaziasis); invasion with insects and acarids (lice, pasture ticks); psoroptic and sarcoptic mange; hypodermiasis.

In small ruminants - gastrointestinal and pulmonary nematodiasis (ostertagiasis, hemonchosis, trichostrongylosis, cooperiasis, oesophagostomosis, nematodiriasis, strongyloidiasis, chabertiosis, churcicarias, gaigeriasis, dictyocaulosis); invasions with insects and acarids (lice, Melophagus spp., pasture ticks, mange mites, psoroptic and chorioptic mites); oestrosis.

In pigs - nematodiasis (ascariasis, strongyloidiasis, hyostrongylosis, metastrongyloidosis, oesophagostomosis); invasions with lice; sarcoptic mange.

**CONTRAINDICATIONS**
The product must not be applied to dogs of breeds Collie, Shelti, and Bobtail as well as to tortoises.

**MODE OF ADMINISTRATION (Rp)**
Subcutaneously. Do not apply intramuscularly or intravenously!

**DOSAGE**
For large ruminants - 200 g/kg b.w. of the substance.

<table>
<thead>
<tr>
<th>Body weight (kg)</th>
<th>30</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dose volume of the preparation (ml)</td>
<td>1.0</td>
<td>2.0</td>
<td>3.0</td>
<td>4.0</td>
<td>5.0</td>
<td>6.0</td>
</tr>
</tbody>
</table>

For small ruminants - 200 g/kg b.w. of the substance.

<table>
<thead>
<tr>
<th>Body weight (kg)</th>
<th>25</th>
<th>50</th>
<th>75</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dose volume of the preparation (ml)</td>
<td>0.5</td>
<td>1.0</td>
<td>1.5</td>
</tr>
</tbody>
</table>

(in case of scab 2 injections with a 7 day interval).

For pigs - 300 g/kg b.w. of the substance.

<table>
<thead>
<tr>
<th>Body weight (kg)</th>
<th>16</th>
<th>33</th>
<th>66</th>
<th>100</th>
<th>133</th>
<th>166</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dose volume of the preparation (ml)</td>
<td>0.5</td>
<td>1.0</td>
<td>2.0</td>
<td>3.0</td>
<td>4.0</td>
<td>5.0</td>
<td>6.0</td>
</tr>
</tbody>
</table>

**WITHDRAWAL PERIOD**
For meat - 14 days after the last administration of the preparation.

For milk - 28 days after the last administration of the preparation.

**SHELF LIFE**
Three (3) years from the date of manufacture.

**STORAGE**
In the original container, well closed, in dry facilities, protected from direct sunlight at temperature between 8 and 15°C.

**WARNING**
Keep out of the reach of children!

**PACKING**
Multidose vials of 25, 50 and 100 ml.