About Gamavite, Phosprenyl, Maxidine, Salmozan

1. General features

1.1 Gamavite is a complex mixture containing emulsified and denaturated placenta extract, sodium nucleinate, amino acids, and vitamins in the physiologically balanced water-mineral solution. For use in all pets and domestic animals.

1.2. Gamavite is a potent detoxicant, metabolism activator, immunomodulator, and adaptogen.

1.3. The drug should be kept in a darkened place at a temperature 4°C – 18°C. Best when used up to 12 months since the date of production.

2. Pharmacological activities and usage

2.1 Gamavite is shown to activate metabolism, to neutralize harmful effects of any toxic substances and decay products, to normalize blood formula, to enhance bactericidal activity of blood serum, to exert immunomodulatory and biotonic effects, to decrease postnatal mortality, to increase progeny viability, to increase muscular energy and to increase animal resistance to stress and elevated strain.

2.2. Gamavite is used

- for preventive care and treatment of various diseases as a bracing and immunostimulating medication;
- for treatment of any infectious and invasive diseases (including babesiosis), anemia, any cases of intoxication;
- in all postoperational conditions;
- for better preparation and adaptation of pets and other animals to expositions, contests, and transportation;
- to stimulate breeding efficiency and rate of fertilization, as an ecbolic to facilitate labor, and to prevent postnatal complications.
2.3. Gamavite is inoculated s.c., i.m., i.v., and per os.

2.4. In preventive purposes Gamavite is inoculated at a dose of 0.1 ml/kg.

2.5. For treatment purpose Gamavite is inoculated at a dose of 0.3-0.5 ml/kg.

2.6. Gamavite is used in combination with anthelminthic drugs as a detoxicative means. Injected i.m. unanimously with anthelminthic drug and then once again with 1 day interval.

2.7. Gamavite is easily combined with any other drugs, including antibiotics, sulfonamides and antiviral substances.

3. Contraindications and adverse effects

3.1. Not known.


Phosprenyl

1. Genetal features

1.1. Phosprenyl is a product of pine-needles' polyprenol phosphorylation, composed mainly of a disodium salt of polyprenyl phosphate.

1.2. The drug is a colorless or yellowish, transparent or mildly opalescent solution without any mechanical admixtures.

1.3. The drug is usually produced in 2, 10, 50 and 100 ml vials made of neutral glass. In accordance with the client's wish the packing may be modified in any way that preserves integrity and maintenance of the drug.

1.4. The drug should be kept in a dark place without freezing. Best when used up to 12 months since the date of production.

2. Pharmacological activities

2.1. Phosprenyl is active against viruses of canine distemper, parvoviruses, adenoviruses, coronaviruses and many other animal viruses.

2.2. Phosprenyl is shown to stimulate innate immunity, to possess anti-inflammatory, hepatoprotective, and detoxifying activities.

3. Phosprenyl usage
3.1. Phosprenyl is used as a preventive or therapeutical medication against viral infections of cats, dogs (feline panleukopenia, infectious peritonitis and viral rhinotracheitis; canine distemper, canine adenoviruses and viral hepatitis), calves (herpesviral rhinotracheitis, viral diarrhea), piglets (viral enteritis caused by coronaviruses or parvoviruses).

3.2. For treatment of the dogs the singular recommended Phosprenyl dose for i.m. injection is 0.1-0.2 ml per 1 kg. For treatment of the cats the singular recommended Phosprenyl dose for i.m. injection is 0.2-0.3 ml per 1 kg. For treatment of calves and piglets recommended Phosprenyl dose for i.m. injection is 0.1-0.2 ml per 1 kg. For treatment of viral diseases with grave or aggravating course viral diseases the singular dose for i.m. injection should be doubled. The animals may also be treated per os. In such cases the therapeutic dose should also be enhanced 2-fold.

3.3. When treating grave and aggravating viral diseases, it is recommended to administer the drug in combination with antibiotics, anti-histamine drugs, Gamavite, and conventional means of symptomatic therapy.

3.4. In preventive purpose (following contacts with ill animals, before exhibitions, or before prolonged voyages) Phosprenyl should be administered at a singular dose 2 or 3 days in a row.

4. Containdications and adverse effects

4.1. The drug is practically non-toxic, but a temporary rise in a body temperature (1-1.5°C), changes in a rhythm and strength of a heartbeat, and languidness may be sometimes observed 1-2 days following beginning of the treatment. In case of a high individual susceptibility the heart-supporting drugs (such as camphor or sulfocamphocaine) should be used.


Maxidine

1. General features

1.1. Maxidine is a water solution of germanium bis (piridine-2,6-dicarboxilate).

1.2. The drug is a colorless solution, concentration of the active matter is 0.4%.

1.3. The drug is usually produced in 5 ml vials made of neutral glass. In accordance with the client's wish the packing may be modified in any way that preserves integrity and maintenance of the drug.
1.4. The drug should be kept at a room temperature. Best when used up to 12 months since the date of issue.

2. **Pharmacological activities**

2.1. Maxidine possesses antiviral and immunomodulatory activities.

2.2. Maxidine is shown to stimulate natural resistance, to possess anti-inflammatory, interferon-inducing, and detoxifying activities.

2.3. Maxidine is a potent stimulator of hair and fur growth.

3. **Maxidine usage**

3.1. Maxidine is used as an immunomodulatory medicine in immunodeficiency conditions of cats, and dogs caused by infections, intoxications, following irradiation, stress e.a. Maxidine is also used for therapy of viral infections (calicivirosis, rhynotraceitis, feline panleukopenia, canine adenovirosis and viral hepatitis), demodecosis, dermatitis and alopecia of different etiology.

3.2. Maxidine is used at a dose 0.1 ml/kg, s.c. or i.m., twice a day for 2-5 days dependent upon the course of infection.

3.3. Maxidine treatment doesn't exclude application of any other medicine. It goes well together with antibiotics, anti-histamine drugs, sulfanilamides, Phosprenyl, Gamavite, and other conventional means of symptomatic therapy.

3.4. The drug is non-toxic, but a temporary pain may be sometimes observed immediately after injection.


**Salmozan**

1. **General features**

1.1. Salmozan is a purified polysaccharide from Salmonella O-somatic antigen.

1.2. The drug is produced as a colorless and odorless solution, concentration of active substance is 20 mcg/ml.

1.3. The drug is usually produced at a volume of 1 ml in 5 ml vials made of neutral glass. In accordance with the client's wish the packing may be modified in any way that preserves integrity and maintenance of the drug.
1.4. The drug should be kept at dry and darkened conditions, at a room temperature. Best when used up to 24 months since the date of issue.

2. **Pharmacological activities**

2.1. Salmozan stimulates cell-mediated and humoral immunity, activates macrophages, enhances nonspecific resistance to infections caused by pathogenic microorganisms, and exerts adjuvant action.

3. **Salmozan action**

3.1. Salmozan action is based on its ability to activate cellular and humoral factors of innate immunity. Stimulatory effect is long-lived. Single injection of Salmozan enhances nonspecific resistance to infections.

3.2. Usage of Salmozan with vaccines stimulates immune response to vaccination and prolongs specific immunity.

3.3. Usage of Salmozan for infectious diseases treatment together with antibiotics is shown to significantly enhance their therapeutic effectiveness.

4. **Dosages and usage**

4.1. Salmozan is injected intramuscularly (i.m.) or subcutaneously (s.c.); it might be also used per os. 1 ml of the solution contains 20 mcg of Salmozan.

4.2. Salmozan is used to stimulate innate resistance to infections caused by pathogenic microorganisms (Salmonella spp., Staphylococcus spp., Proteus spp., Escherichia coli., Klebsiella pneumoniae, Lysteria monocytogenes, Bacillus spp.), as well as for preventive care and treatment of other bacterial and viral infections of pets, cattle and other domestic animals. Salmozan is also used for treatment of respiratory (bronchitis, pneumonia), skin, otic, and urogenital (pyometra, balanopostitis) diseases.

4.3. For preventive care purposes and in order to stimulate innate immunity Salmozan should be inoculated twice, with 24 hour interval, at a dose of 0.1 ml/kg.

4.4. In order to enhance specific immune response to vaccines Salmozan should be inoculated either i.m. or s.c. simultaneously with the vaccine.

4.5. For treatment purposes when Salmozan is used together with antibiotics, it should be inoculated at a dose of 0.1 ml/kg, in grave cases – up to 0.5 ml/kg 1-2 times per day. Duration of the treatment is 3-7 days.
4.6. For treatment of birds (pigeons, etc.) Salmozan is added to drinking water at a dose of 1-2 ml/l, depending upon the disease gravity. Duration of the treatment is 3-5 days.

4.7. For treatment of stomatitis, otitis, balanopostitis external application is recommended.

4.8. For treatment of cats and dogs Salmozan is inoculated i.m. at following doses:

<table>
<thead>
<tr>
<th></th>
<th>Salmozan dosage (ml) per animal</th>
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</thead>
<tbody>
<tr>
<td><strong>Kitten</strong></td>
<td>0.1 ml</td>
</tr>
<tr>
<td><strong>Cats</strong></td>
<td>0.3-0.6 ml</td>
</tr>
<tr>
<td><strong>Dogs</strong></td>
<td></td>
</tr>
<tr>
<td>0.5-2 kg body weight</td>
<td>0.05-0.2 ml</td>
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<tr>
<td>2-10 kg</td>
<td>0.2-1.0 ml</td>
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<tr>
<td>10-20 kg</td>
<td>1.0-2.0 ml</td>
</tr>
<tr>
<td>20-40 kg</td>
<td>2.0-4.0 ml</td>
</tr>
<tr>
<td>40 and more kg</td>
<td>4.0 and more ml</td>
</tr>
</tbody>
</table>

5. **Contraindications and adverse effects**

5.1. The drug is non-toxic, but a short-term temperature raise (up to 1-1.5°C) may be sometimes observed immediately after injection.