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COMPANY PRESENTATION

We have been working since 1995

1995:
establishment of the LLC Helvet company. The Helvet company was first in Russia to register homeopathic veterinary medications (Heel, Germany) and carry out their delivery.

1998:
specialists of the company created the first domestic complex homeopathic veterinary drug Liarsin. The Helvet company starts its own production of complex homeopathic preparations for veterinary medicine.

1999-2005:
range of products was expanded to 10 names. The preparations are produced in a variety of dosage forms: injections, oral solutions, tablets, topical agents. Establishment of the Helvet companies group, which consists of LLC AleksAnn (manufacturer) and LLC Helvet (supplier).

2005-present time:
range of products of the Helvet companies group has expanded to 18 items of complex veterinary drugs in various dosage forms. All products are registered. New developments are in the process of registration.

TODAY
The group of the Helvet companies is Russia’s largest developer, manufacturer and supplier of complex homeopathic preparations for productive animals. It has its own certified industrial base (GMP since 2013). The company’s products are successfully used in livestock farms in different regions of Russia – from Karelia to the Krasnodar Territory. The company’s specialists are working on development of new drugs, while the produced drugs receive certificates and pass all required tests. The company’s specialists are constantly conducting large scale fundamental research, within which they are studying mechanisms of action of individual components and preparations, creating evidence base of their effectiveness, and developing new formulations.

Research work is carried out in close cooperation with the leading veterinary and agricultural academies, including the Moscow State Academy of Veterinary Medicine and Biotechnology named after K.I. Scriabin, the St. Petersburg State Academy of Veterinary Medicine, Kostroma State Agricultural Academy, Kazan Academy of Veterinary Medicine, and others. Effectiveness of the created drugs is constantly confirmed by both scientific research and experience of practical application of preparations by veterinarians of livestock farms in different regions of the country.

Availability of drugs throughout the country and their timely delivery to customers is one of our priorities and of successfully solved problems. Distribution network of the Helvet group of companies covers the whole territory of Russia, and its representative offices are operating in Belarus, Ukraine and Kazakhstan.
I. REPRODUCTION

HELVET DRUGS USED FOR IMPROVEMENT OF THE HERD REPRODUCTION INDICATORS

RETENTION OF PLACENTA:
Uterogin

ACUTE ENDOMETRITIS:
Uterogin

CHRONIC ENDOMETRITIS:
Mastometrin
Liarsin

HYPOVARIANISM:
Ovariovit
Liarsin

OVARIAN CYSTS: OVARIOVIT
Liarsin

PREVENTION OF EMBRYONIC MORTALITY:
Ovariovit
Liarsin

SUBINVOLUTION OF UTERUS:
Uterogin
Liarsin
Ovariovit

PREVENTION OF GYNECOLOGICAL PATHOLOGY IN THE FRESH PERIOD:
Uterogin
Liarsin
Travmatin

INCREASING OF INSEMINATION PERFORMANCE:
Ovariovit
Uterogin
APPLICATION OF THE DRUG ALLOWS:
- Prevention of retention of placenta
- Fast and uncomplicated stimulation of the placenta expulsion upon its retention
- Reduction of treatment time of endometritis
- Minimization of the risk of obstetric complications
- To increase the percentage of productive insemination with uterine hypotonia/atonia

METHOD OF ADMINISTRATION:
- intramuscular, subcutaneous injection

SINGLE DOSE:
- cows* – 5.0 ml
- goats, sheep – 3.0 ml

RECOMMENDATIONS ON UTEROGIN APPLICATION:**
- Prevention of retention of placenta – once within 1 hour after calving.
- Stimulation of the placenta expulsion upon its retention – 6 hours after calving, once or twice with an interval of 12-24 hours.
- Prevention of acute postpartum endometritis – once daily on the 1st, 2nd, 3rd, 5th and 7th (if necessary) day after calving.
- Treatment of acute endometritis – 1 time per day. Duration of therapy is determined individually (average course of 4-6 days).
- Subinvolution of uterus – 3 injections with an interval of 2-3 days. Liarsin – 1-2 injections with an interval of 1 week (depending on the severity of the process). Övarovit – 1-2 injections with an interval of 1 week in the presence of ovarian pathologies.
- Hypotonia/atonia of uterus during insemination – once before insemination (30-60 minutes).

TOLERANCE IS NOT BUILT UP!

Bronze medal of the 17th Russian Agricultural Exhibition «Golden Autumn» 2015.

<table>
<thead>
<tr>
<th>Blockers of myometrium β-adrenoreceptors</th>
<th>Synthetic analogues of oxytocin</th>
<th>Uterogin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uterotonic effect</td>
<td>yes</td>
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<tr>
<td>Effect on contractile activity of myometrium</td>
<td>increase</td>
<td>increases</td>
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<td>Duration of effect on the myometrium</td>
<td>short-acting</td>
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<td>Anti-inflammatory effect</td>
<td>no</td>
<td>no</td>
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<tr>
<td>Limitations of use</td>
<td>yes</td>
<td>no</td>
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<tr>
<td>Compatibility with other drugs</td>
<td>not with all</td>
<td>not with all</td>
</tr>
<tr>
<td>Possibility of excluding antibiotic therapy in inflammatory diseases of the uterus</td>
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<td>yes</td>
</tr>
<tr>
<td>Side effects</td>
<td>not determined</td>
<td>possible</td>
</tr>
<tr>
<td></td>
<td></td>
<td>not possible</td>
</tr>
</tbody>
</table>

* If the animal weighs more than 600 kg, the drug is administered at a dose of 1.0 ml per 100 kg.
** Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest the dosing schedule, adapted to its environment in the best possible way.
**APPLICATION OF THE DRUG ALLOWS:**
- Restoration of the myometrium tonicity in chronic endometritis
- Reduction of the period of treatment of chronic endometritis and mastitis
- Creation of favorable conditions for the implantation of an embryo
- Reduction of the risk of recurrence of obstetrical pathologies

**METHOD OF ADMINISTRATION:** intramuscular or subcutaneous injection

**SINGLE DOSE:**
- cows* – 5.0 ml
- goats, sheep – 3.0 ml

**RECOMMENDATIONS ON MASTOMETRIN APPLICATION:***
**Chronic endometritis:** 3-5 injections with an interval of 2-3 days. Liarsin – once. In the presence of soreness, inflammation of oviducts – Travmatin, 1-2 injections with an interval of 5 days.

**Mastitis:** 1 time per day in conjunction with Travmatin (possibly in one syringe), 3-5 injections (injection of Mastometrin is not recommended after the 6th month of pregnancy!).

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule, adapted to its environment in the best possible way.
**APPLICATION OF THE DRUG ALLOWS:**

- Restoration of the animal reproductive function
- To increase the percentage of productive inseminations
- Prevention/reduction of embryonic mortality
- Elimination of the hormonal agents application

**METHOD OF ADMINISTRATION:** intramuscular or subcutaneous injection

**SINGLE DOSE:**

- cows* – 5.0 ml
- goats, sheep – 3.0 ml

**RECOMMENDATIONS ON OVARIOVIT APPLICATION:***

**Ovarian hypofunction**: 1-3 injections with an interval of 5 days. Liarsin – once.

**Ovarian cysts**: once a week, 3-4 injections in conjunction with Liarsin.

**Persistent corpus luteum**: 2-3 injections with an interval of 3 days. Liarsin – once.

**Increasing of insemination productivity**: once, 30-60 minutes before insemination.

**Prevention of fetal mortality**: in 5-6 and 25-30 days after insemination. In conjunction with Liarsin.

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule, adapted to its environment in the best possible way.

** In severe hypofunction: Ovariovit + Liarsin, 3-5 injections with an interval of 5 days.

*** In case of Ovariovit administration in the day of insemination, injection of Ovariovit on the 5th–6th day is skipped.
TRAVMATIN

PREVENTION OF POST-PARTURIENT COMPLICATIONS
RAPID REGENERATION OF DAMAGED TISSUES

DOSAGE FORM AND FORM OF PRESENTATION:
solution for injection in 100 ml vials.

ACTIVE INGREDIENTS (per 1000 ml): Echinacea purpurea Ø 4.5 µl; Matricaria recutita Ø 4.5 µl; Calendula officinalis Ø 3 µl; Arnica montana Ø=D1 15 µl; Hypericum perforatum Ø 0.03 µl; Hepar sulfuris D4 0.1 g; Atropa belladonna Ø 2 µl; АСД-2 15 pl.

EFFECTS:
- Anti-inflammatory
- Analgesic
- Relieves post-traumatic edema
- Stimulates regeneration of tissues

INDICATIONS FOR USE:
- Injuries of any etiology
- Parturition process (prevention of birth traumas, pathologic labor)
- Acute inflammatory process accompanied by pain reaction (mastitis, arthritis, etc.)

Travmatin combines different pharmacological properties required for the treatment of injuries and inflammatory processes: anti-inflammatory, analgesic, angioprotective, hemostatic, bacteriostatic, stimulates tissue regeneration.

TOLERANCE IS NOT BUILT UP!

APPLICATION OF THE DRUG ALLOWS:
- Rapid resolution of inflammatory process
- Minimization of consequences of birth traumas
- Elimination of antibiotics application

METHOD OF ADMINISTRATION: intramuscular or subcutaneous injection

SINGLE DOSE:
- cows – 5.0-7.0 ml
- goats, sheep – 3.0 ml

RECOMMENDATIONS ON TRAVMATIN APPLICATION:* Injuries of any etiology, wounds: 1-2 injections.
Injuries of teats and udder, hematomas: less than 24 hours after the injury – once. More than 24 hours after injury or in the presence of blood in milk: on the first day – 1-2 injections into the supramammary fold 1-2 times a day, after that – in the presence of soreness and swelling – 1-3 injections with an interval of 24 hours. Travma-gel® – topically on the affected areas until the disappearance of the signs of inflammation.
Mastitis: 1 time per day in conjunction with Mastometrin (possibly in one syringe), 3-5 injections.
Wounds, bruises, sprains, pain syndrome: 1-2 times per day. Duration of therapy is determined individually.
Prevention of birth traumas, stimulation of wound healing: 1-2 times during calving.

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule that is adapted to its environment in the best possible way.
**APPLICATION OF THE DRUG ALLOWS:**
- Creation of protective film on the wound surface
- Acceleration of tissue regeneration
- Reduction of treatment duration
- Eliminate application of topical antibiotics

**METHOD OF ADMINISTRATION:**
- topical application

**RECOMMENDATIONS ON TRAVMA-GEL APPLICATION:***
- **Calving:** topically on the vulva and vaginal portion of the cervix in the presence of ruptures of soft tissues.
- **Fissures of teats:** topically, 1–2 times per day.
- **Skin damages:** topically, 1–2 times per day.

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule that is adapted to its environment in the best possible way.
II. MILK PRODUCING ABILITY

HELVET DRUGS USED FOR INCREASING OF MILK PRODUCTIVITY

PREVENTION OF KETOSIS IN THE PERIOD OF MILK YIELD INCREASING:
Liarsin

KETOSIS (INCLUDING SUBCLINICAL):
Kovertal

MASTITIS:
Mastometrin
Travmatin

LATE RICKETS:
Kaforsen

TECHNOLOGICAL STRESS:
Fospasim
APPLICATION OF THE DRUG ALLOWS:

• Restoration of liver function, prevention of its fatty degeneration
• Reduction of the level of ketone bodies
• Normalization of fat/protein ratio in milk
• Activation of the process of elimination of antibiotics from the organism
• Extension of the period of maximum milk productivity
• To increase food and biological value of milk

METHOD OF ADMINISTRATION:
intramuscular or subcutaneous injection

SINGLE DOSE:
• cows – 5.0 ml
• goats, sheep – 3.0 ml

RECOMMENDATIONS ON KOVERTAL APPLICATION:*
Ketosis: 4-6 injections with an interval of 24 hours. Control of ketone bodies (urine analysis, blood biochemistry).
Hepatites: 1 time a day for 7-10 days.
In the combined therapy in case of poisoning: 1 time a day for 4-5 days.
During the period of maximum productivity (2-3 month of lactation): 5-6 injections with an interval of 3-5 days.

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted.
Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule, which is adapted to its environment in the best possible way.
APPLICATION OF THE DRUG ALLOWS:

- Correction of metabolic disorders in dry cows
- To increase viability of animal yield
- Prevention of ketosis and acidosis
- Implementation of milk productivity potential of animals
- To increase the effectiveness of chronic diseases treatment

METHOD OF ADMINISTRATION:
intramuscular or subcutaneous injection

SINGLE DOSE:
- cows – 5.0 ml
- calves, goats, sheep – 3.0 ml
- goatlings, lambs – 2.0 ml

RECOMMENDATIONS ON LIARSIN APPLICATION:

<table>
<thead>
<tr>
<th>Effect</th>
<th>Adaptogens</th>
<th>Liarsin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metabolic effect</td>
<td>in some</td>
<td>yes</td>
</tr>
<tr>
<td>Effect on the rumen motility</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Hepatoprotective effect</td>
<td>in some</td>
<td>moderate</td>
</tr>
<tr>
<td>Prevents dysplasia of gastrointestinal mucosa</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Overdose</td>
<td>possible</td>
<td>not possible</td>
</tr>
<tr>
<td>Soreness upon administration</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Antioxidant effect</td>
<td>in some</td>
<td>yes</td>
</tr>
</tbody>
</table>

APPLICATION OF THE DRUG ALLOWS:

- Correction of metabolic disorders in dry cows
- To increase viability of animal yield
- Prevention of ketosis and acidosis
- Implementation of milk productivity potential of animals
- To increase the effectiveness of chronic diseases treatment

METHOD OF ADMINISTRATION: intramuscular or subcutaneous injection

SINGLE DOSE:
- cows – 5.0 ml
- calves, goats, sheep – 3.0 ml
- goatlings, lambs – 2.0 ml

RECOMMENDATIONS ON LIARSIN APPLICATION:

Prevention of ketosis, acidosis: once 7-10 days before calving. For highly productive animals – 2 times 14-20 days and 7-10 days before calving. After calving – on the 3rd and 5th day.

Dyspepsia in calves (in complex therapy): 2-3 injections with an interval of 24-48 hours.

Food intoxication and poisoning (in complex therapy): 1-3 injections with an interval of 2-3 days.

Restoration of metabolic processes after previous diseases and in emaciated animals: 2-3 injections with an interval of 5-7 days.

In comprehensive treatment of chronic diseases: 1-2 injections with an interval of 5-7 days.

Prevention of fetal mortality (in conjunction with Ovariovit): 1 injection on the 5-6 day and on the 25-30 day.

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule, which is adapted to its environment in the best possible way.

Prevention of metabolic disorders during dry period is the pledge of high yields of milk!
APPLICATION OF THE DRUG ALLOWS:
• To ensure a «productive longevity»
• To receive healthy posterity

METHOD OF ADMINISTRATION: intramuscular or subcutaneous injection

SINGLE DOSE:
• cows – 5.0 ml
• calves, goats, sheep – 3.0 ml
• goatlings, lambs – 2.0 ml

RECOMMENDATIONS ON KAFORSEN APPLICATION:* 
Late rickets, osteoporosis: as a prophylactic measure: from the 8th month of pregnancy – 1 time per week, from the 9th month – 1 time in two weeks. With the purpose of treatment: 3-4 injections with an interval of 3 days, and then 4-5 injections once a week.

Parturient paresis: as a prophylactic measure: from the 8th month of pregnancy – 1 time per week, from the 9th month – 1 time in two weeks. With the purpose of treatment: once a day, course of 4-5 injections (can be administered intravenously with calcium and Liarsin), and then, depending on the general condition and the process dynamics, 2-3 injections.

Rickets: 4-5 injections with an interval of 3 days. Application of the drug does not exclude the use of mineral supplements and vitamin therapy.

During the period of maximum productivity: 4-6 injections with an interval of 3-5 days.

In the dry period: 3-4 injections with an interval of 7-14 days (discontinue administration of the drug 14 days before the expected date of calving).

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule that is adapted to its environment in the best possible way.

DOSAGE FORM AND FORM OF PRESENTATION: solution for injection in 100 ml vials.

ACTIVE INGREDIENTS (in 1,000 ml): Calcium carbonicum Hahnemanni D4 trituration 500 mg; Calcium phosphoricum D4 trituration 500 mg; Calcium fluoratum D4 trituration 500 mg; Acidum silicicum D4 trituration 50 mg; Phosphorus Ø=D3 50 pl.

EFFECTS:
☞ Regulates mineral metabolism and normalizes the Ca:P ratio
☞ Increases absorption of calcium from the diet
☞ Promotes calcium deposition in bones

INDICATIONS FOR USE:
☞ Hypocalcemia
☞ Prevention and treatment of diseases associated with the violation of Ca:P metabolism (including rickets, late rickets, osteoporosis)

Active ingredients making up Kaforsen support an optimal level of macronutrient elements in blood, which is necessary for ensuring of physiologically important processes, including milk secretion. Not being a hormonal drug, Kaforsen has an effect on the parathyroid hormone and calcitonin balance, stimulates bone mineralization, and prevents development of osteodystrophy. It can be used in the late dry period.

TOLERANCE IS NOT BUILT UP!
APPLICATION OF THE DRUG ALLOWS:
• Reduction of labor costs for work with animals
• Reduction of emotional response to stress
• Prevention of the consequences of technological stress (decrease in productivity and/or live weight)
• Improvement of orientation response

METHOD OF ADMINISTRATION:
intramuscular injection

SINGLE DOSE:
• cows – 5.0 ml
• calves 3.0–3.5 ml

RECOMMENDATIONS ON FOSPASIM APPLICATION:
For fast adaptation to new conditions, overexposure in quarantine: once a day, course of 4–5 days. Liarsin – once.
Transportation, regrouping: once, 30–60 minutes before the event.
Adaptation to the milking room: once a day, course of 3–7 days.

*T Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule which is adapted to its environment in the best possible way.

TOLERANCE IS NOT BUILT UP!

<table>
<thead>
<tr>
<th></th>
<th>Psychotropic drugs</th>
<th>Fospasim</th>
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</thead>
<tbody>
<tr>
<td>Antipsychotic effect</td>
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<tr>
<td>Adaptogenic effect</td>
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<td>yes</td>
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<td>Muscle-relaxant effect</td>
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<tr>
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</tr>
<tr>
<td>Side effects</td>
<td>yes</td>
<td>no</td>
</tr>
</tbody>
</table>
III. HEALTHY YOUNG STOCK

HELVET DRUGS USED FOR REDUCTION OF MORBIDITY AND ENHANCEMENT OF THE YOUNG ANIMALS’ SAFETY:

PREVENTION OF BRONCHOPNEUMONIA:
- EVL-Se-Forte

TRACHEITIS, BRONCHITIS, BRONCHOPNEUMONIA:
- Lobelon
- Evinton

PREVENTION OF DYSPEPSIA:
- EVL-Se-Forte

DIARRHEAL SYNDROME (DYSPEPSIA, GASTROENTEROCOLITIS):
- Verakol
- Liarsin

STRENGTHENING OF POSTVACCINAL IMMUNITY (INCREASING OF IMMUNITY STRESS):
- Evinton

RICKETS:
- Kaforsen
EVL-SE-FORTE

APPLICATION OF THE DRUG ALLOWS:
• To increase viability of young animals
• Reduction of the risk of gastrointestinal diseases
• Improvement of appetite and feed efficiency
• To increase weight gain
• To increase stress resistance

METHOD OF ADMINISTRATION: oral administration

SINGLE DOSE:
• calves 1.0 ml
• goatlings, lambs 0.3–0.5 ml

RECOMMENDATIONS ON EVL-SE-FORTE APPLICATION:*
Hypotrophy: with milk, colostrum, milk replacer from the first day of life, course of 10-14 days.
Diarrheal syndrome (as a prophylactic measure): with milk, colostrum, milk replacer from the first day of life, course of 10-14 days.
Bronchopneumonia (as a prophylactic measure): with milk, colostrum, milk replacer from the first day of life, course of 10-14 days.
Prevention of stress reaction: for 10 days in case of regrouping, transportation, before changing of diet, dehelmintization and so on.

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule which is adapted to its environment in the best possible way.

ANABOLIC EFFECT
INCREASING OF WEIGHT GAIN AND FEED CONVERSION

DOSAGE FORM AND FORM OF PRESENTATION:
oral solution in 1,000 ml and 1,250 ml vials.

ACTIVE INGREDIENTS (in 1,000 ml): Acidum arsenicosum Ø=D2 0.1 nl; Lycopodium clavatum Ø=D1 4.0 nl; Phosphorus Ø=D3 1.0 nl; Podophyllum peltatum Ø 3.0 nl; Thuja occidentalis Ø 30.0 µl; Echinacea purpurea Ø 30.0 µl; Silybum marianum Ø 60.0 µl; Selenocysteine 0.2 µg.

EFFECTS:
☞ Improves functioning of digestive tract
☞ Antioxidant
☞ Hepatoprotector
☞ Adaptogen
☞ Immunomodulator

INDICATIONS FOR USE:
☞ Growth retardation
☞ Prevention of gastrointestinal diseases in young animals
☞ Prevention of respiratory diseases
☞ Technological stress

EVL-SE-FORTE regulates motor and secretory functions of the gastrointestinal tract, has a regulating effect on the protein, carbohydrate and fat metabolism, has a non-specific immunomodulatory effect, stimulates tissue immunity (MALT system), has antioxidant properties, stimulates growth and development of animals.

EVL-SE-FORTE improves digestibility of feed, prevents dysbacteriosis, and compensates for consequences of unbalanced feeding.

TOLERANCE IS NOT BUILT UP!
Components of Lobelon have directed effect on pathogenetic mechanisms of bronchospasm and inflammation that provides:

- Dilution of sputum and facilitating of its expectoration
- Elimination of coughing episodes
- Improvement of pulmonary ventilation
- Elimination of inflammation

Application of the drug allows:

- Elimination of coughing episodes
- Restoration of mucociliary system functioning
- Minimization of relapses
- Reduction of drug burden

Method of administration: intramuscular or subcutaneous injection

Single dose:

- cows – 5.0 ml
- calves – 2–3.0 ml
- goats, sheep – 3.0 ml
- goatlings, lambs – 2.0 ml

Recommendations on Lobelon application:

- Hypoxia/asphyxia of newborns: 1-2 injections with an interval of 2-4 hours.
- Diseases of upper respiratory tract, accompanied by poor discharge of sputum: once a day, the course of 5-7 injections.
- Diseases of upper respiratory tract, accompanied by a dry cough: once a day, the course of 5-7 injections.

Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted.

Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule, which is adapted to its environment in the best possible way.
APPLICATION OF THE DRUG ALLOWS:

• Rapid restoration of digestive tract functioning
• Reduction of weight loss in dyspepsia
• To increase safety of animals
• Reduction of treatment costs
• Minimization of antibiotics application

METHOD OF ADMINISTRATION:
intramuscular or subcutaneous injection

SINGLE DOSE:
• cows – 5.0 ml
• calves – 2.0–3.0 ml
• goats, sheep – 3.0 ml
• goatlings, lambs – 2.0 ml

RECOMMENDATIONS ON VERAKOL APPLICATION:*

Diarrheal syndrome: 1-2 times per day for 4-5 days. Symptomatic treatment for indications.
Gastroenteritis: 1-2 times per day for 4-5 days in conjunction with Evinton.

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule, which is adapted to its environment in the best possible way.
APPLICATION OF THE DRUG ALLOWS:
• Reduction of incidence of young animals
• Improvement of animals’ safety
• Reduction of treatment duration

METHOD OF ADMINISTRATION: intramuscular or subcutaneous injection

SINGLE DOSE:
• cows – 5.0 ml
• calves – 2.0–3.0 ml
• goats, sheep – 3.0 ml
• goatlings, lambs – 2.0 ml

RECOMMENDATIONS ON EVINTON APPLICATION:
Treatment of respiratory and gastro-intestinal diseases: 1 time per day for 5–7 days.
Prevention of infectious diseases: for 3–5 days.
Strengthening of post-vaccination immunity (increasing of immunity intensity): once on the day of vaccination.

* Depending on conditions, diet, flock condition and other factors, typical recommendations may be adjusted. Specialists of productive livestock department of the Helvet companies group will examine the specifics of your farm and suggest dosing schedule, which is adapted to its environment in the best possible way.
COMPLEX PROGRAM ON THE IMPROVEMENT OF HERD REPRODUCTION INDICATORS

In modern conditions intensive livestock management necessitates increase in the number of diseases associated with metabolic disorders, as well as reproductive system abnormalities. In addition, quality of the manufactured products (particularly milk) is also reduced. Specialists of the Helvet companies group have developed a method for improvement of reproduction indicators, which has been successfully used in many farms of the Russian Federation and CIS member countries for years.

This scheme allows one to considerably reduce the number of obstetric complications, to decrease the time from calving to a productive insemination (service period – 75-90 days), to increase the percentage of fertilization (insemination index 1.5), to increase the yield and safety of calves. In case of endometritis the disease course has an easy form, which does not become chronic, and treatment duration becomes shorter.

There is no waiting period, when the Helvet drugs are used!

1. DRY PERIOD

PROBLEM – inadequate conditions and feeding of animals.

MAIN TASKS – to prepare (restore) the cow for calving and future lactation:

• to normalize metabolism in down-calving cows
• to minimize negative consequences of unbalanced feeding
• to prevent pathological course of labor, swelling of udder and lower abdomen
• to prevent postnatal complications in cows (retention of placenta, labor paresis, endometritis)

SCHEME: Liarsin 2 times: 14-20 days and 7-10 days before calving.

LIARSIN IN DRY PERIOD:

• Prevents ketosis and acidosis
• Improves cicatricial digestion
• Regulates energy balance

APPLICATION OF LIARSIN IN THIS PERIOD PERMITS:

• To increase milk productivity
• Early achievement of milk productivity peak
• Prevention of uterine hypotension during calving
2. CALVING

**PROBLEM** – Injuries and ruptures of the birth canal soft tissues, high probability of infection contamination and development of postpartum complications.

**MAIN TASKS:**
- to minimize injuries and ruptures of the birth canal
- to quickly restore barrier functions of the mucous membrane, to stop inflammation and stimulate regeneration

**SCHEME:** Travmatin – once on the day of calving. In case of pathological labor – repeated injection of Travmatin 24 hours after the first injection. Combine with intravaginal application of Travma-gel.

**TRAVMATIN IN CALVING:**
- Eliminates pain syndrome and swelling of the birth canal soft tissues
- Prevents development of inflammation
- Contributes to rapid regeneration of the birth canal mucous membrane
- Relieves overtension of myometrium and restores its contractile function

**APPLICATION OF TRAVMATIN IN THIS PERIOD** allows for eliminating consequences of birth trauma without the need for additional application of antibacterial, anti-inflammatory and anti-edema agents (affecting the quality of colostrum and health of young animals).

3. FRESH PERIOD

**PROBLEM** – Retention of placenta, endometritis.

**MAIN TASK** – prevention of inflammatory diseases of the uterus.

**SCHEME:** for all fresh animals on the day of calving – Uterogin, on the 2nd, 3rd, 5th day after calving, on the 7th day (if necessary).

**UTEROGIN IN FRESH PERIOD:**
- Prevents retention of placenta/promotes expulsion of placenta
- Prevents development of endometritis
- Initiates the uterine involution process
- Creates conditions for productive insemination

**APPLICATION OF UTEROGIN IN THIS PERIOD** allows for:
- Minimization of risk of post-partum disorders
- Effective control of uterine tonus
- Rapid recovery of an animal after calving
- Minimization of the risk of ovarian hypofunction

**PROBLEM** – negative energy balance.

**MAIN TASK** – to prevent the development of ketosis.

**SCHEME:** Liarsin on the 3rd and 5th day after calving

**LIARSIN IN THE FRESH PERIOD:**
- Quickly adapts gastrointestinal tract to a new diet
- Regulates glucose balance and liver functioning.

**APPLICATION OF LIARSIN IN THE FRESH PERIOD** permits to maximally realize the genetic potential of the animal’s milk productivity.

4. EARLY LACTATION PERIOD

**PROBLEM** – low percentage of insemination (multiple overlaps).

**MAIN TASK** – to ensure productive insemination.

**SCHEME:** Ovariovit on the day of insemination.

**OVARIOVIT IN THE EARLY LACTATION PERIOD:**
- Restores endocrine mechanisms of sexual cycle regulation
- Regulates the synthesis of gonadotropic hormones and F2-alpha prostaglandins in the uterus
- Increases productivity of insemination and allows to reduce the number of semen doses per animal

**APPLICATION OF OVARIOVIT IN THE EARLY LACTATION PERIOD** effectively eliminates the problems associated with hormonal regulation of the reproductive sphere.

5. PREGNANCY

**PROBLEM** – embryonic mortality.

**MAIN TASK** – prevention of embryonic mortality.

**SCHEME:** Ovariovit 25-30 days after insemination. Liarsin on the 5-6 and 25-30 days after insemination.

**OVARIOVIT IN THE PERIOD OF PREGNANCY** provides a level of progesterone necessary for the maintenance of pregnancy.

**LIARSIN IN THE PERIOD OF PREGNANCY** normalizes protein and carbohydrate metabolism, reduces the level of toxic products of metabolism which prevent development of an embryo.

**PROGRAM ON THE IMPROVEMENT OF HERD REPRODUCTION INDICATORS**

<table>
<thead>
<tr>
<th></th>
<th>Liarsin</th>
<th>Travmatin</th>
<th>Uterogin</th>
<th>Ovariovit</th>
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<tr>
<td>1. Dry period</td>
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<td>2. Calving</td>
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<td>3. Fresh period</td>
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<td>4. Early lactation period</td>
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<td>5. Pregnancy</td>
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THE METHOD APPLICATION RESULTS

IMPROVEMENT OF HERD REPRODUCTION INDICATORS:
• reduction of service period to 75-90 days (minimum by 30 days)
• reduction of the incidence of endometriosis by an average of 40%
• decrease in the insemination index to 1.5
• 1.5-fold reduction in the number of cases of ovarian hypofunction

IMPROVEMENT OF MILK PRODUCTIVITY:
• increase in the gross milk yield
• longer productivity peak
• reduction of forced culling of animals on the basis of low milk productivity
• reduction of the incidence of mastitis by 45-50%

YOUNG ANIMALS VITALITY IMPROVEMENT:
• increasing of newborn calves' safety
• reduction in the incidence of calves

IN ANY PHASE OF THE REPRODUCTION CYCLE

PROBLEM: hypocalcemia, osteodystrophy.

SCHEME: Kaforsen 1-2 times a week, 4-5 injections.

KAFORSEN:
• normalizes Ca:P ratio
• Contributes to calcium absorption from the gastrointestinal tract
• Contributes to calcium deposition in bone tissue

Kaforsen regulates mineral metabolism in the body, normalizes the ratio of hormones involved in calcium metabolism (parathyroid hormone and calcitonin).

PROBLEM: ketosis.

SCHEME: Kovertal 4-6 injections with an interval of 24 hours. Monitoring of ketone bodies (urine analysis, blood biochemistry).

KOVERTAL:
• Activates protein synthetic and detoxification function of the liver
• Promotes regeneration of hepatocytes
• Regulates energy metabolism
RECOMMENDATIONS ON APPLICATION OF THE HELVET DRUGS FOR STUD BULLS

**EVL-SE-FORTE**
- **For the improvement of sperm quality:** the preparation is added to water for drinking once a day in a dose of 10 ml per head for 14 days.

**LIARSIN**
- **During intensive load period:** 2-3 injections with an interval of 5-7 days.
- **Feed intoxication and poisoning (as a part of complex therapy):** 1-3 injections with an interval of 2-3 days.
- **Restoration of metabolic processes after previous diseases:** 2-3 injections with an interval of 5-7 days.
- **In comprehensive treatment of chronic diseases:** 1-2 injections with an interval of 5-7 days.

**KAFORSEN**
- **Late rickets, osteoporosis:** as a prophylactic measure – once a week, 5-6 injections. With the purpose of treatment – 3-4 injections with an interval of 2-3 days, and then 4-5 injections once a week.

**TRAVMATIN**
- **Injuries of any etiology, external wounds:** 3-5 injections once a day.
- **Wounds, bruises, pain syndrome**: 1–2 times a day. Duration of therapy is to be determined individually.

**TRAVMA-GEL**
- **Skin damages:** topically, 1–2 times a day.

**HONDARTRON**
- **Acute synovitis, tendovaginitis, bursitis, arthritis:** 1 time a day with an interval of 48 hours, 3 injections. Hondartron-gel topically.
- **Chronic bursitis, arthritis:** 2 times a week, course of 3–5 weeks. Hondartron–gel topically.
- **Chronic tendovaginitis:** 1 time in 3 days, at least 5-8 injections. During exacerbation – Travmatin daily for 7 days.
- **Arthrosis:** Once every 2 days, at least 8-10 injections. During exacerbation – Travmatin daily for 7 days.

**FOSPASIM**
- **For fast adaptation to new conditions, overexposure in quarantine:** 1 time a day, 4-5 days. Liarsin once.
- **During adaptation to a service pen and sperm collection tool:** 1 time a day, a course of 3-7 days (it is recommended that the therapy should be started a day before manipulations).
- **Transportation, regrouping:** once, 30-60 minutes prior to the event.

**Method of administration:** intramuscular or subcutaneous injection
**Single dose:** 7.0–10.0 ml

*in case of musculoskeletal system diseases in conjunction with Hondartron.*
**RECOMMENDATIONS ON APPLICATION OF THE HELVET DRUGS FOR SWINE REARING**

**EVL-SE-FORTE**
- **Hypotrophy**: from the first day of life, 1.0 ml, course of 10-14 days.
- **Prevention of diarrheal syndrome and bronchopneumonia**: with water or food, 1.0 ml per animal, course of 10-14 days.
- **Upon transferal to a weaning section**: 1.0 ml with water or food, course of 10-14 days.

**VERAKOL**
- **Diarrheal syndrome**: 1-2 times per day for 4-5 days. Symptomatic treatment according to indications.
- **Gastroenteritis**: 1-2 times per day for 4-5 days in conjunction with Evinton.

**UTEROGIN**
- **Prevention of retention of placenta**: During delivery process (after the birth of the second or third piglet) or after the birth of the last piglet, once.
- **Prevention of acute postpartum endometritis**: after farrowing, once a day for 3-5 days.
- **Treatment of acute endometritis**: once a day. Duration of therapy is to be determined individually (average course of 4-6 days).

**TRAVMATIN**
- **Injuries of any etiology, external wounds**: 1-2 injections.
- **Wounds, bruises, pain syndrome**: 1-2 times a day. Duration of therapy is to be determined individually.
- **Prevention of birth traumas**: 1-2 times during farrowing.

**TRAVMA-GEL**
- **Skin damages**: topically, 1-2 times a day.

**FOSPASIM**
- **In case of hyperactivity and aggressiveness during/after farrowing**: 1-2 times with an interval of 24 hours.
- **For fast adaptation to new conditions, overexposure in quarantine**: 4-5 injections every other day. Liarsin once.
- **Transportation, regrouping**: once, 30-60 minutes prior to the event.
- **During adaptation to a service pen and sperm collection tool**: once a day, course of 3-5 days (it is recommended that the therapy should be started a day before manipulations).

**LIARSIN**
- **Feed intoxication (as a part of complex therapy)**: 1-3 injections with an interval of 2-3 days.
- **Restoration of metabolic processes after previous diseases and in emaciated animals**: 2-3 injections with an interval of 5-7 days.
- **In comprehensive treatment of chronic diseases**: 1-2 injections with an interval of 5-7 days.

* in case of musculoskeletal system diseases in conjunction with Hondartron KAFORSEN
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- **Arthrosis:** once every 2 days, at least 8-10 injections. During exacerbation – Travmatin daily for 7 days.

**Method of administration:** intramuscular or subcutaneous injection

**Single dose:**

- Main sows – 4.0– 5.0 ml
- Replacement gilts – 3.5 ml
- Piglets – 2.0–3.0 ml
- Boars – 5.0 ml
HELVET DRUGS:

- DEVELOPED AND REGISTERED FOR ANIMALS
- PERMIT TO OBTAIN ECO-FRIENDLY PRODUCT WITH NO WAITING PERIOD AND MILK CULLING
- REDUCE TREATMENT TIME AND COSTS