PRODUCT
CATALOGUE

VETERINARY MEDICAMENTS PRODUCER

PRODUCT CATALOGUE

- CANINE VACCINES
- CATTLE VACCINES
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bioveta

WE *respect* ANIMALS

VETERINARY MEDICAMENTS PRODUCER

1. Canine vaccines

2. Cattle vaccines

3. Equine vaccines

4. Feline vaccines

5. Poultry vaccines

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LIST OF PRODUCT BY THERAPEUTIC GROUPS

DOG

CAT

LIST OF PRODUCTS BY TARGET SPECIES

HORSE

RABBIT

EXOTIC BIRDS

REPTILE

CATTLE

POULTRY

FUR-BEARING ANIMAL

ENVIROMENT

LIST OF PRODUCTS BY TARGET SPECIES


dog


cat


horse


rabbit


exotic birds


reptile


cattle


swine


goat


sheep


poultry


fur-bearing animal


environment

ALPHABETICAL LIST OF PRODUCTS


dog


cat


horse


rabbit


exotic birds


reptile


cattle


swine


goat


sheep


poultry


fur-bearing animal


environment

CANINE VACCINES

Biocan B
Biocan C
Biocan DH + L
Biocan DHPPi
Biocan DHPPi + L
Biocan DHPPi + LR
Biocan DP
Biocan L
Biocan LR
Biocan M
Biocan M Plus
Biocan P
Biocan Puppy
Biocan R
Biocan T
Borrelym 3
Biocan NOVEL DHPPi
Biocan NOVEL DHPPi/L4
Biocan NOVEL DHPPi/L4R
Biocan NOVEL Pi/L4
Biocan NOVEL R

Great protection against two the most common European serogroups of *Borrelia* spp.

Biocan B suspension for injection

Vaccine against Lyme disease, inactivated

COMPOSITION
Composition 1 ml:
Active substances:
Borrelia burgdorferi inactivata:
Borrelia garinii RP ≥ 1*
Borrelia afzelii RP ≥ 1*
* relative potency (RP) in comparison with reference serum gained from the animals vaccinated with batch which satisfied in challenge test on target animal

TARGET SPECIES
Dogs.

INDICATION
For the active immunization of dogs against Lyme disease at the age of 12 weeks and above.
It can be applied simultaneously with other vaccines of Biocan type, but always each vaccine shall be applied to the individual spot (preferably on the opposite body side).

DOSAGE
1 ml irrespective of age, weight and race of the individual, but not early than at the age of 12 weeks.
Apply the vaccine:
- subcutaneously, preferably at the region behind the blade-bone
- intramuscularly, preferably to the musculature of the pelvis extremity.
In case of the primary vaccinations, the re-vaccination shall be performed at the interval of 14–21 days. The vaccination scheme should be specified by the veterinarian in dependence on the infection situation.

SHELF LIFE
24 months

STORAGE
Store in a dark and dry place at the temperature between 2 °C – 8 °C. The vaccine shall not be allowed to freeze.

PACKAGE
2 × 1 ml, 10 × 1 ml, 20 × 1 ml, 50 × 1 ml, 100 × 1 ml

Vaccine providing protection against the next viral pathogen of gastrointestinal tract

Biocan C suspension for injection

Inactivated canine coronavirus vaccine

COMPOSITION
Composition – 1 ml:
Active substance:
Coronavirus gastroenteritidis infectiosae canis, prior to inactivation min. $10^{6,5}$ $TCID_{50}$

TARGET SPECIES
Dogs.

INDICATION
For active immunisation from 5th week of age against canine coronavirus.

DOSAGE
1 ml regardless of age, weight and breed of the individual.
The vaccine is administered subcutaneously at the age of 5 weeks and above; revaccination is performed in 14 to 21 days after primovaccination.
To maintain a permanent immunity, it is recommended to revaccinate in six-month intervals.

SHELF LIFE
24 months. Use the vaccine immediately after opening.

STORAGE
Store in a dark and dry place under a temperature of 2 °C – 8 °C.
The vaccine must not get frozen!

PACKAGE
10 × 1 ml, 20 × 1 ml, 50 × 1 ml, 100 × 1 ml

Unique antigenic combination for special epidemiological situation

Biocan DH + L

lyophilisate for the preparation of injection suspension with diluent

Vaccine against canine distemper (CDV), inf. hepatitis (CAV-1), inf. laryngotracheitis (CAV-2) vivid and leptospirosis (L. icterohaemorrhagiae inact., L. canicola inact., L. grippotyphosa inact.) in dogs inactivated.

COMPOSITION

Component DH (freeze-dried):
Virus febris contagiosae canis
min. $10^{3.0}$ $TCID_{50}$, max. $10^{4.5}$ $TCID^{50}$
Virus laryngotracheitidis contagiosae canis
min. $10^{3.5}$ $TCID_{50}$, max. $10^{4.5}$ $TCID_{50}$
Nutrimentum pro lyophilisatione ad 1 ml
Component L (solution):
Leptospira icterohaemorrhagiae inact.
min. titre 32 defined MAT*)
Leptospira canicola inact.
min. titre 32 defined MAT*)
Leptospira grippotyphosa inact.
min. titre 32 defined MAT*)
*) geometrical mean of titres of specific antibodies defined by microagglutination test

TARGET SPECIES

Dogs.

INDICATION

For the active immunization of dogs against distemper, infectious hepatitis, infectious laryngotracheitis and the most frequently occurred leptospira serovars (*Leptospira icterohaemorrhagiae, Leptospira canicola, Leptospira grippotyphosa*) in dogs at the age of 8 weeks and above.

Use during pregnancy and lactation

Vaccination should be avoided during the last two weeks before delivery for the general purposes (handling with pregnant animal, etc.).

DOSAGE

Dose – 1 ml irrespective of age, weight and breed.

SHELF-LIFE

24 months. When diluted, the vaccine shall be used immediately.

STORAGE

Store in a dry and dark place at the temperature of 2 °C – 8 °C. Do not freeze!

PACKAGE

5 × 1 ml of the vaccine Biocan L + 5 × 1 ml of the lyophilised vaccine Biocan DH
10 × 1 ml of the vaccine Biocan L + 10 × 1 ml of the lyophilised vaccine Biocan DH
50 × 1 ml of the vaccine Biocan L + 50 × 1 ml of the lyophilised vaccine Biocan DHl

Live vaccine for the first shot in puppies at the age six weeks

Biocan DHPPi

lyophilisate for preparation of solution for injection

Live vaccine against canine distemper (CDV), inf. laryngotracheitis (CAV-2), inf. hepatitis (CAV-1), parvovirosis (CPV-2), parainfluenza (CPIV-2) in dogs.

COMPOSITION

Composition – 1 ml:
Freeze-dried component:
Virus febris contagiosae canis
min. $10^{3,0}$ $TCID_{50}$, max.$10^{4,5}$ $TCID_{50}$
Virus laryngotracheitidis
contagiosae canismin. $10^{3,5}$ $TCID_{50}$, max.$10^{4,5}$ $TCID^{50}$
Parvovirus enteritidis canis
min. $10^{4,5}$ $TCID_{50}$, max.$10^{5,5}$$TCID_{50}$
Virus parainfluensis canis
min. $10^{3,0}$ $TCID_{50}$, max.$10^{4,2}$ $TCID_{50}$

TARGET SPECIES

Dogs.

INDICATION

For the active immunization of dogs against distemper, infectious hepatitis, infectious laryngotracheitis, parvovirosis and parainfluenza.

INTERACTION

The vaccine Biocan DHPPi can be used separately or simultaneously with other vaccines Biocan according to recommended vaccination scheme or in group with fluid vaccines Biocan (LR, L, C, R).

DOSAGE

The dose is 1 ml regardless of age, weight and breed of the individual, vaccination may be first performed during the sixth week of age.
Method of administration – subcutaneously, preferably in zone behind the shoulder-blade.

SHELF LIFE

24 months. When diluted, the vaccine shall be used immediately.

STORAGE

Store in a dry and dark place at the temperature of 2 °C – 8 °C.

PACKAGE

5 × 1 ml of vaccine Biocan DHPPi + 5 × 1 ml of diluent
10 × 1 ml of vaccine Biocan DHPPi + 10 × 1 ml of diluent
50 × 1 ml of vaccine Biocan DHPPi + 50 × 1 ml of diluent

Combination viral antigens and three serogroups of *Leptospira* spp. for purpose of revaccination at the age eight weeks

Biocan DHPPi + L

lyophilisate for the preparation of injection suspension with diluent

Vaccine against canine distemper (CDV), inf. hepatitis (CAV-1), inf. laryngotracheitis (CAV-2), parvovirosis (CPV-2), parainfluenza (CPIV-2) vivid and leptospirosis (L. icterohaemorrhagiae inact., L. canicola inact., L. grippotyphosa inact.) in dogs inactivated

COMPOSITION

Freeze-dried component

Virus febris contagiosae canis
min. $10^{3.0}$ $TCID_{50}$, max. $10^{4.5}$ $TCID_{50}$
Virus laryngotracheitidis contagiosae canis
min. $10^{3.5}$ $TCID_{50}$, max. $10^{4.5}$ $TCID_{50}$
Parvovirus enteritidis canis
min. $10^{4.5}$ $TCID_{50}$, max. $10^{5.5}$ $TCID_{50}$
Virus parainfluensis canis
min. $10^{3.0}$ $TCID_{50}$, max. $10^{4.2}$ $TCID_{50}$

Liquid component

Leptospira icterohaemorrhagiae inact.
min. titre 32 defined MAT*)
Leptospira canicola inac.
min. titre 32 defined MAT*)
Leptospira grippotyphosa inact.
min. titre 32 defined MAT*)
*) geometrical mean of titres of specific antibodies defined by microagglutination test

TARGET SPECIES

Dogs

INDICATION

For the active immunization of dogs against distemper, infectious hepatitis, infectious laryngotracheitis, parvovirosis, parainfluenza and the most frequently occurred leptospira serovars (*Leptospira icterohaemorrhagiae, Leptospira canicola, Leptospira grippotyphosa*) in dogs at the age of 8 weeks and above.

DOSAGE

Dose - 1 ml irrespective of age, weight and breed.
Vaccine is administered subcutaneously, preferably in zone behind the shoulder-blade at the age of 8 weeks and above, the re-vaccination shall be done within 14–21 day.
Immunity is starting after 14 days after first vaccination and firm immunity is developed after further 14 days after re-vaccination. The revaccination shall be performed within 14–21 days. The revaccination should be repeated every year in order to keep permanent immunity of the animals vaccinated.

SHELF LIFE

24 months.When diluted, the vaccine shall be used immediately.

STORAGE

Store in a dry and dark place at the temperature of 2 °C – 8 °C. Do not freeze!

PACKAGE

5 × 1 ml of freeze-dried DHPPi component + 5 × 1 ml of L component
10 × 1 ml of freeze-dried DHPPi component + 10 × 1 ml of L component
50 × 1 ml of freeze-dried DHPPi component + 50 × 1 ml of L component

For effective final vaccination of puppies at the age of 12 weeks

Biocan DHPPi + LR

lyophilisate for the preparation of injection suspension with diluent

Vaccine against canine distemper (CDV), inf. hepatitis (CAV-1), inf. laryngotracheitis (CAV-2), parvovirosis (CPV-2), parainfluenza (CPIV-2) vivid and leptospirosis and rabies in dogs inactivated

COMPOSITION

Component DHPPi - lyophilizate
Active substances:
Virus febris contagiosae canis
min. $10^{3,0}$, max. $10^{4,5}$ $TCID_{50}$
Virus laryngotracheitidis contagiosae canis
min. $10^{3,5}$, max. $10^{4,5}$ $TCID_{50}$
Parvovirus enteritidis canis
min. $10^{4,5}$, max. $10^{5,5}$ $TCID_{50}$
Virus parainfluensis canis
min. $10^{3,0}$, max. $10^{4,2}$ $TCID_{50}$
Component LR - diluent
Active substances:
Virus rabiei inactivated
min. 2 IU
Leptospira icterohaemorrhagiae inact.
min. titre 32 defined by MAT*)
Leptospira canicola inact.
min. titre 32 defined by MAT*)
Leptospira grippotyphosa inact.
min. titre 32 defined by MAT*)
*) geometrical mean of titres of specific antibodies defined by microagglutination test

TARGET SPECIES

Dogs.

INDICATION

For the active immunization of dogs against distemper, infectious hepatitis, infectious laryngotracheitis, parvovirosis, parainfluenza, rabies and the most frequently occurred leptospira serovars *(Leptospira icterohaemorrhagiae, Leptospira canicola, Leptospira grippotyphosa)* in dogs at the age of 12 weeks and above.

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION

The vaccine Biocan DHPPi + LR can be used separately or simultaneously with vaccines Biocan C, Biocan M Plus, Biocan B.

DOSAGE

1 ml irrespective of weight of breed, at the age of 12 weeks and above.
Method of administration – subcutaneously.

Immunity is starting after 14 days after first vaccination and firm immunity is developed after further 14 days after re-vaccination. The revaccination shall be performed within 14–21 days.
The revaccination should be repeated every year in order to keep permanent immunity of the animals vaccinated.

SHELF LIFE

24 months.

STORAGE

Store in a dry and dark place at the temperature of 2 °C – 8 °C. Do not freeze!

PACKAGE

5 × 1 ml of the vaccine Biocan LR + 5 × 1 ml of the lyophilised vaccine Biocan DHPPi
10 × 1 ml of the vaccine Biocan LR + 10 × 1 ml of the lyophilised vaccine Biocan DHPPi
50 × 1 ml of the vaccine Biocan LR + 50 × 1 ml of the lyophilised vaccine Biocan DHPPi.

Vaccine contains live, highly immunogenic strain of parvovirus inducing fast onset of immunity

Biocan DP lyophilisate for suspension for injection with diluent

Vaccine against canine distemper (CDV) and canine parvovirus (CPV-2), live

COMPOSITION

Lyophilisate:
Virus febris contagiosae canis:
$10^{3.0} – 10^{4.8}$ $TCID_{50}$
Parvovirus enteritidis canis:
$10^{4.5} – 10^{6.0}$ $TCID_{50}$
Excipients:
lyophilisation medium ad 1 ml

TARGET SPECIES

Dogs.

INDICATIONS

For active immunization of dogs against canine distemper and canine parvovirus from 6th week of age.
The onset of immunity is 14 to 28 days after the second vaccination.
The duration of immunity to both the antigens is at least one year.

DOSAGE

Dose: 1 ml regardless of age, weight and breed of the individual, but not earlier than at the 6th week of age.
Method of administration – subcutaneous, preferably in the region behind the shoulder blade.

SHELF LIFE

24 months, the vaccine should be used immediately after dilution.

STORAGE

Store in a dry and dark place at 2 °C – 8 °C.

PACKAGE

5 × 1 ml of lyophilised vaccine Biocan DP + 5 × 1 ml of diluent
10 × 1 ml of lyophilised vaccine Biocan DP + 10 × 1 ml of diluent
50 × 1 ml of lyophilised vaccine Biocan DP + 50 × 1 ml of diluent

The content of three recommended serovars of *Leptospira* species

Biocan L suspension for injection

Inactivated vaccine against leptospirosis in dogs

COMPOSITION

Active substances:

Leptospira icterohaemorrhagiae inact.
min. titre 32 defined by MAT*)
Leptospira canicola inact.
min. titre 32 defined by MAT*)
Leptospira grippotyphosa inact.
min. titre 32 defined by MAT*)

*) geometrical mean of titres of specific antibodies defined by microagglutination test

TARGET SPECIES

Dogs

INDICATION

For active immunisation of dogs from the age of 8 weeks against leptospiral serovars contained in vaccine.

DOSAGE

1 ml regardless of age, weight and breed of the individual.
The vaccine is administered subcutaneously at the age of 8 weeks or more.
Revaccination is performed in 14 to 28 days after primovaccination so that revaccination was performed at least at the age of 12 weeks of the puppies.
Annual revaccination is recommended in order to maintain permanent immunity.

SHELF LIFE

24 months. Use the vaccine immediately after opening.

STORAGE

Store in a dark and dry place under a temperature of 2 °C – 8 °C.
The vaccine must not get frozen!

PACKAGE

10 × 1 ml, 20 × 1 ml, 50 × 1 ml, 100 × 1 ml.

A combination three *Leptospira* serovars and rabies virus in one vial

Biocan LR suspension for injection

Inactivated vaccine against leptospirosis and rabies in dogs

COMPOSITION
Active substances:
Virus rabiei inactivated
min. 2 IU
Leptospira icterohaemorrhagiae inact.
min. titre 32 defined by MAT*)
Leptospira canicola inact.
min. titre 32 defined by MAT*)
Leptospira grippotyphosa inact.
min. titre 32 defined by MAT*)
*) geometric mean of titres of specific antibodies defined by micro-agglutination test

TARGET SPECIES
Dogs.

INDICATION
For active immunisation of dogs against rabies and leptospira serovars contained in vaccine.

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION
Biocan LR vaccine may be used separately, simultaneously or in combination with other Biocan vaccines:
A/ Biocan LR vaccine may be used as a diluent for other lyophilised Biocan vaccines (for example DHPPi, DHP, DP, P).
B/ Biocan LR vaccine may be administered simultaneously or with liquid vaccines Biocan C, Biocan B and Biocan M (possibly with lyophilised vaccine Biocan DHPPi).

DOSAGE
1 ml subcutaneously regardless of age, weight and breed of the individual.
Vaccination scheme:
Primary vaccination at the age of 8 weeks.
If necessary, it is possible to vaccinate puppies at the age from 8 weeks with Biocan L or Biocan LR vaccine (in case of rabies in the area). Revaccination in this case is performed at the age of 12 weeks using Biocan LR vaccine. To maintain permanent immunity against leptospira and rabies, it is recommended to revaccinate yearly with Biocan LR vaccine.

Primary vaccination at the age of 12 weeks.
Vaccination with Biocan LR vaccine with subsequent revaccination with Biocan L vaccine within an interval of 14–28 days.
To maintain permanent immunity against leptospira and rabies, it is recommended to revaccinate yearly with Biocan LR vaccine.

SHELF LIFE
24 months. Use the vaccine immediately after opening.

STORAGE
Store in a dark and dry place at 2 °C – 8 °C. The vaccine must not get frozen!

PACKAGE
10 × 1 ml, 20 × 1 ml, 50 × 1 ml, 100 × 1 ml.

Unique vaccine for prophylaxis and treatment of the dermatophytosis in dogs and cats

Biocan M inj. ad us. vet.

Vaccine against Microsporum canis in dogs and cats

COMPOSITION
Active substance:
Microsporum canis inact.
min. 500 000 vegetative forms

TARGET SPECIES
Dog, cat.

INDICATION
From the 12th week of age for the prophylaxis and therapy of dermal mycosis in dogs and cats caused by the dermatophyte *Microsporum canis.*

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION
Always apply Biocan M separately (never use it as a diluent for lyophilized vaccines or mix with liquid Biocan vaccines).
Any other Biocan vaccine (Puppy, P, DP, DH, DHP, DHPPi, L, R, LR, C) can be administered simultaneously with Biocan M into a different site (preferably on the other side).

DOSAGE
1 ml regardless of age, weight or bread of the animal.
Dogs: strictly intramuscularly into the hind limb muscle.
Cats: subcutaneously into the area behind the blade bone or intramuscularly into the hind limb muscle.
Preferably vaccinate into the left and revaccinate into the right half of the body.

SHELF LIFE
24 months

STORAGE
Keep in a dry and dark place at 2 °C – 8 °C. Do not freeze.

PACKAGE
2 × 1 ml, 10 × 1 ml, 20 × 1 ml, 50 × 1 ml, 100 × 1 ml.

Inactivated non-adjuvant vaccine against *Microsporum canis* infection in dogs

Biocan M Plus injection suspension for dogs

Inactivated vaccine against Microsporum canis in dogs

COMPOSITION
Active substance:
Microsporum canis inact.
min. 1 million of vegetative forms

TARGET SPECIES
Dogs.

INDICATION
For the prevention and therapy of dermal mycoses in dogs induced by the dermatophyte *Microsporum canis*. Animals should be vaccinated at the age of 2 months and above.
The immunity develops within 1 month after revaccination and persists for at least 1 year.

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION
Other immunoprophylactic interventions should not be carried out during one week before the first vaccination up to 14 days after the second (or, if relevant, the third) vaccination (except of the cases when the vaccine BIOCAN series is applied).

DOSAGE
One ml of the vaccine can be applied to animals aged two months and above, regardless of the age, weight and race of the individual
Application:deep intramuscularly into the musculature of the pelvis extremity.
The vaccination should be carried out into the left body side and the revaccination into the right body side.Preventive and therapeutic use: animals shall be vaccinated twice at the interval of 10–21 days between the first and the second vaccination.
The third vaccination dose can be applied, if necessary for therapeutic purposes, 10–21 days after the revaccination.

SHELF LIFE
18 months

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Protect from light

PACKAGE
2 × 1 ml,10 × 1 ml, 20 × 1 ml, 50 × 1 ml, 100 × 1 ml.

Monovalent protection against canine parvovirosis in special situation

Biocan P inj. sicc. ad us. vet.

Live vaccine against parvovirosis (CPV-2) in dogs

COMPOSITION

Freeze – dried component:
Active substance:
Parvovirus enteritidis canis
min. $10^{5.0}$ $TCID_{50}$, max.$10^{6.2}$ $TCID_{50}$
Auxiliary substances:
Nutrimentum pro lyophilisatione ad 1 ml
Diluent
Aqua pro injectione
1 ml

TARGET SPECIES

Dogs.

INDICATION

For the active immunization of dogs against parvovirosis.

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION

The vaccine Biocan P can be used separately or simultaneously with other vaccines Biocan according to recommended vaccination scheme or in group with fluid vaccines Biocan (LR, L, C, R).

DOSAGE

The dose is 1 ml regardless of age, weight and breed of the individual, vaccination may be first performed during the sixth week of age.
Method of administration – subcutaneously, preferably in zone behind the shoulder-blade.

SHELF LIFE

24 months, when diluted, the vaccine shall be used immediately.

STORAGE

Store in a dry and dark place at the temperature of 2 °C – 8 °C.

PACKAGE

5 × 1 ml of vaccine Biocan P + 5 × 1 ml of diluent
10 × 1 ml of vaccine Biocan P + 10 × 1 ml of diluent
50 × 1 ml of vaccine Biocan P + 50 × 1 ml of diluent

Safe vaccine for the vaccination of the youngiest puppies at 5th weeks of age

Biocan Puppy

lyophilisate for the preparation of injection suspension with diluent

Live vaccine against canine distemper and inactivated vaccine against canine parvovirosis

COMPOSITION
Lyophilized component (D)
Virus febris contagiosae canis
min. $10^{4,2}$ $TCID_{50}$ – max $10^{5,0}$ $TCID_{50}$
Liquid component (P)
Parvovirus enteritidis canis inact.
min. 1024 HAU – max 4096 HAU

TARGET SPECIES
Dogs.

INDICATION
For an active immunisation of dogs against canine distemper and parvovirosis from 5th week of age.

DOSAGE
Dose - 1 ml of injection solution, which is prepared by diluting the lyophilised component with liquid component of the vaccine, regardless of age, weight and breed of the animal, but at the earliest in the fifth week of age.
Method of administration – subcutaneous, best to the region behind scapula.
Individuals vaccinated for the first time need to be revaccinated within an interval of 14–21 days. Yearly revaccination is recommended in order to maintain a permanent immunity.

SHELF LIFE
24 month, use the vaccine immediately after reconstitution.

STORAGE
Store in a dry and dark place at 2 °C – 8 °C. The vaccine must not get frozen!

PACKAGE
5 × 1 ml of lyophilised component of the vaccine Biocan Puppy (Component D)
5 × 1 ml of liquid component of the vaccine Biocan Puppy (Component P)
10 × 1 ml of lyophilised component of the vaccine Biocan Puppy (Component D)
10 × 1 ml of liquid component of the vaccine Biocan Puppy (Component P)
50 × 1 ml of lyophilised component of the vaccine Biocan Puppy (Component D)
50 × 1 ml of liquid component of the vaccine Biocan Puppy (Component P)

Monovalent vaccine with immunogenic rabies virus SAD Vnukovo – 32

Biocan R suspension for injection

Inactivated vaccine against rabies

COMPOSITION
Active ingredient
Virus rabiei inactivatum, strain SAD Vnukovo – 32
min. 2 IU

TARGET SPECIES
Dogs, cats, fur animals, cattle, horses, sheep, goats, pigs.

INDICATION
For active immunisation of target animal species against rabies.

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION
Biocan R vaccine may be used separately, simultaneously or in combination with other Biocan vaccines:
A/ Biocan R vaccine may be used as a diluent for other lyophilised Biocan vaccines (for example DHPPi, DP, P).
B/ Biocan R vaccine may be administered simultaneously or with liquid vaccines Biocan C, Biocan B, Biocan M and Biocan L.

DOSAGE
Dosage – 1 ml regardless of age, weight and breed of the individual; but at the earliest in the 12th week of age.
Method of administration:
- subcutaneous, best in the region behind the shoulder blade.
- intramuscular, best to the muscle of the rear limb.
Animals are vaccinated from the age of 3 months. The onset of protective immunity is within 14 days after immunisation. Animals vaccinated earlier than at the age of 3 months must be revaccinated after reaching this age (minimal 14 day interval between vaccinations must be observed). Animals vaccinated for the first time, at the age of 3–12 months, must be revaccinated in 1 year after the first application of the vaccine. Revaccination performed one year after the first vaccine protects animals against rabies for at least 2 years. In order to maintain immunity, it is recommended to revaccinate in accordance with veterinary regulations of each country.

SHELF LIFE
24 months, to be used within 8 hours after the first opening.

STORAGE
Store in a dry and dark place at a temperature 2 °C – 8 °C. Do not freeze!

PACKAGE
10 × 1 ml, 20 × 1 ml, 50 × 1, 100 × 1 ml, 1 × 5 ml, 5 × 5 ml, 10 × 5 ml, 1 × 10 ml, 5 × 10 ml, 10 × 10 ml, 1 × 20 ml, 5 × 20 ml, 10 × 20 ml

Toxoid vaccine containing toxoid of *Clostridium tetani* for active protection against neurological symptoms of disease

Biocan T injection suspension for dogs

Vaccine against tetanus in dogs

COMPOSITION
Composition – 1 ml:
Active substance
Anatoxinum tetanicum purificatum min. 7.5 IU

TARGET SPECIES
Dogs.

INDICATION
Active immunization of dogs against tetanus.

DOSAGE AND METHOD OF ADMINISTRATION
2 × 1 ml at the interval of 3 weeks (animals at the age of 3 months and above).

METHOD OF ADMINISTRATION
Intramuscularly.

SHELF LIFE
36 months, usable life after the first opening is max. 10 hours.

STORAGE
Store in a dry and dark place at a temperature between 2 °C – 8 °C. Shake well the vial content before use.

PACKAGE
2 × 1 ml, 5 × 1 ml, 10 × 1 ml, 20 × 1 ml, 1 × 2 ml.

Novel vaccine protected against all the most pathogenic serogroups of *Borrelia* spp.

Borrelym 3 injection suspension for dogs

Vaccine against Lyme disease

COMPOSITION

Composition of one dose (1 ml):

Active substances:

Inactivated *Borrelia burgdorferi sensu lato*:

Borrelia garinii	RP ≥ 1*
Borrelia afzelii	RP ≥ 1*
Borrelia burgdorferi sensu stricto	RP ≥ 1*

*RP = Relative potency (ELISA test) compared with the reference serum obtained after vaccination of mice with a vaccine batch that has successfully passed the challenge test in the target species.

Suspension for injection.

Pinkish up to white fluid containing white sediment that disperses easily when the content is shaken.

TARGET SPECIES

Dogs.

INDICATION

For active immunization of dogs from 12 weeks of age, to induce an anti-OspA response against *Borrelia spp. (B. burgdorferi sensu stricto, B. garinii and B. afzelii*).

Onset of immunity: 1 month after primary vaccination.

Duration of immunity: one year after primary vaccination.

DOSAGE

1 ml from 12 weeks of age.

Subcutaneously. Shake the vial well before use.

Primary vaccination:

Administer two doses separated by an interval of 3 weeks.

Revaccination:

Annual revaccination with a single dose is recommended to maintain immunity although this schedule has not been investigated.

Vaccination should be carried out prior to periods of increased tick activity, allowing sufficient time for the immune response to vaccination to develop fully prior to expected tick exposure.

SHELF LIFE

24 months.

STORAGE

Protect from light. Store and transport at 2 °C – 8 °C.

STORAGE

10 × 1 ml, 2 × 1 ml, 20 × 1 ml, 50 × 1 ml, 100 × 1 ml.

Live vaccine containing new highly immunogenic parvo strain CPV 2b

Biocan NOVEL DHPPi

lyophilisate and solvent for suspension for injection for dogs

COMPOSITION

Freeze-dried fraction (live attenuated):

Canine Distemper virus,
strain CDV Bio 11/A
min. $10^{3.1}$ $TCID_{50}$ max. $10_{5.1}$ $TCID_{50}$
Canine Adenovirus Type 2,
strain CAV-2-Bio 13
min. $10^{3.6}$ $TCID_{50}$ max. $10_{5.3}$ $TCID_{50}$
Canine Parvovirus Type 2b,
strain CPV-2b-Bio 12/B
min. $10^{4.3}$ $TCID_{50}$ max. $10_{6.6}$ $TCID_{50}$
Canine Parainfluenza virus,
strain CPiV-Bio 15
min. $10^{3.1}$ $TCID_{50}$ max. $10^{5.1}$ $TCID_{50}$

INDICATION

Active immunization of dogs from 6 weeks of age.
to prevent mortality and clinical signs caused by canine distemper virus
to prevent mortality and clinical signs caused by canine adenovirus type 1
to prevent clinical signs and reduce viral excretion caused by canine adenovirus type 2
to prevent clinical signs, leukopenia and viral excretion caused by canine
to prevent clinical signs (nasal and ocular discharge) and reduce viral excretion caused by canine parainfluenza virus

Onset of immunity:

- 3 weeks after the first vaccination for CDV, CAV, CPV,
- 3 weeks after completion of the primary course for CPiV

Duration of immunity:

At least three years following the primary vaccination course for canine distemper virus, canine adenovirus type 1, canine adenovirus type 2 and canine parvovirus. At least one year following the primary vaccination course for canine parainfluenza virus. The duration of immunity against CAV-2 was not established by challenge.
It was shown that 3 years after the vaccination CAV-2 antibodies are still present. Protective immune response against CAV-2 associated respiratory disease is considered to last at least 3 years.

DOSAGE AND METHOD OF ADMINISTRATION

Subcutaneous use

Dose and route of administration:
Aseptically reconstitute the lyophilisate with the solvent. Shake well and administer immediately the entire content (1 ml) of the reconstituted product.

Basic vaccination scheme:

Two doses of Biocan Novel DHPPi apart 3–4 weeks apart from 6 weeks of age.

If protection against leptospira is required the second dose may be given with compatible product Biocan Novel DHPPi/L4 and the vaccination scheme planned accordingly (please refer to SPC for Biocan Novel DHPPi/L4).

Revaccination scheme:

A single dose of Biocan Novel DHPPi should be given every 3 years. Annual re-vaccination is required for Parainfluenza, therefore a single dose of Biocan Novel DHPPi or Biocan Novel Pi/L4 can be used annually if required. Full protective immunity against leptospira component of the Pi/L4 vaccine, if used for annual revaccination, is formed only after the basic vaccination with a Biocan Novel vaccine containing the L4 component.

SHELF LIFE

24 months, after reconstitution according to directions: administer the vaccine immediately.

STORAGE

Store and transport refrigerated (2 °C – 8 °C). Do not freeze

PACKAGE

10 × 1 dose, 25 × 1 dose.

Combined vaccine containing four the most common and highly pathogenic serovars of *Leptospira spp.* in diluent fraction

Biocan NOVEL DHPPi/L4

lyophilisate and solvent for suspension for injection for dogs

COMPOSITION

Freeze-dried fraction (live attenuated):

Canine Distemper virus,
strain CDV Bio 11/A,
min. $10^{3.1}$ max. $TCID_{50}$ $10^{5.1}$ $TCID_{50}$
Canine Adenovirus Type 2,
strain CAV-2-Bio 13,
min. $10^{3.6}$ $TCID_{50}$ max. $10^{5.3}$ $TCID_{50}$
Canine Parvovirus Type 2b,
strain CPV-2b-Bio 12/B,
min. $10^{4.3}$ $TCID_{50}$ max. $10^{6.6}$ $TCID_{50}$
Canine Parainfluenza virus,
strain CPiV-Bio 15,
min. $10^{3.1}$ $TCID_{50}$ max. $10^{5.1}$ $TCID_{50}$

Liquid fraction (inactivated):

Leptospira interrogans, serogroup Icterohaemorrhagiae,
serovar Icterohaemorrhagiae, kmen MSLB 1089 GMT ≥ 1:51 ALR
Leptospira interrogans, serogroup Canicola, serovar Canicola, kmen MSLB 1090 GMT ≥ 1:51 ALR
Leptospira kirschneri, serogroup Grippotyphosa, serovar Grippotyphosa, kmen MSLB 1091 GMT ≥ 1:40 ALR
Leptospira interrogans, serogroup Australis, serovar Bratislava, kmen MSLB 1088 GMT ≥ 1:51

INDICATION

Active immunization of dogs from 6 weeks of age:
to prevent mortality and clinical signs caused by canine distemper virus
to prevent mortality and clinical signs caused by canine adenovirus type 1
to prevent clinical signs and reduce viral excretion caused by canine adenovirus type 2
to prevent clinical signs, leukopenia and viral excretion caused by canine parvovirus
to prevent clinical signs (nasal and ocular discharge) and reduce viral excretion caused by canine parainfluenza virus
to prevent clinical signs, infection and urinary excretion caused by *L. interrogans* serogroup Australis serovar Bratislava
to prevent clinical signs and urinary excretion and reduce infection caused by *L. interrogans* serogroup Canicola serovar Canicola and *L. interrogans* serogroup Icterhaemorrhagiae serovar Icterohaemorrhagiae
to prevent clinical signs and reduce infection and urinary excretion caused by *L. kirschneri* serogroup Grippotyphosa serovar Grippotyphosa

DOSAGE AND METHOD OF ADMINISTRATION

Subcutaneous use.
Dose and route of administration:
Aseptically reconstitute the lyophilisate with the solvent. Shake well and administer immediately the entire content (1 ml) of the reconstituted product.

Primary vaccination scheme:
Two doses of Biocan Novel DHPPi/L4 3–4 weeks apart from 6 weeks of age.

Rabies:
If protection against rabies is required:

First dose: Biocan Novel DHPPi/L4 from 8–9 weeks of age.
Second dose: Biocan Novel DHPPi/L4R 3–4 weeks later, but not before 12 weeks of age.
In case of need, dogs younger than 8 weeks can be vaccinated as safety of Biocan Novel DHPPi/L4R has been demonstrated in 6 weeks old dogs.
Revaccination scheme:
A single dose of Biocan Novel DHPPi/L4 should be given every 3 years. Annual re-vaccination is required for Parainfluenza and Leptospira components, therefore a single dose of compatible vaccine Biocan Novel Pi/L4 can be used annually as required.

SHELF LIFE

24 months, after reconstitution according to directions: administer the vaccine immediately.

STORAGE

Store and transport refrigerated (2 °C – 8 °C). Do not freeze.

PACKAGE

10 × 1 dose, 25 × 1 dose.

Polyvalent vaccine intended for the last revaccination of puppies and boostering adult dogs

Biocan NOVEL DHPPi/L4R

lyophilisate and solvent for suspension for injection for dogs

COMPOSITION

Freeze-dried fraction (live attenuated): Canine Distemper virus, strain CDV Bio 11/A – min. $10^{3.1}$ $TCID_{50}$ max. $10^{5.1}$ $TCID_{50}$, Canine Adenovirus Type 2, strain CAV-2-Bio 13 – min. $10^{3.6}$ $TCID_{50}$ max. $10^{5.3}$ $TCID_{50}$, Canine Parvovirus Type 2b, strain CPV-2b-Bio 12/B – min. $10^{4.3}$ $TCID_{50}$ max. $10^{6.6}$ $TCID_{50}$, Canine Parainfluenza virus, strain CPiV-Bio 15 – min. $10^{3.1}$ $TCID^{50}$ max. $10_{5.1}$ $TCID^{50}$

Liquid fraction (inactivated):
Leptospira interrogans, serogroup Icterohaemorrhagiae, serovar Icterohaemorrhagiae, kmen MSLB 1089 GMT ≥ 1:51 ALR
Leptospira interrogans, serogroup Canicola, serovar Canicola, kmen MSLB 1090 GMT ≥ 1:51 ALR
Leptospira kirschneri, serogroup Grippotyphosa, serovar Grippotyphosa, kmen MSLB 1091 GMT ≥ 1:40 ALR
Leptospira interrogans, serogroup Australis, serovar Bratislava, kmen MSLB 1088 GMT ≥ 1:51
Inactivated rabies virus, strain SAD Vnukovo-32 > 2.0 IU

INDICATION

Active immunization of dogs from 8–9 weeks of age:
to prevent mortality and clinical signs caused by canine distemper virus
to prevent mortality and clinical signs caused by canine adenovirus type 1 to prevent clinical signs and reduce viral excretion caused by canine adenovirus type 2, to prevent clinical signs, leukopenia and viral excretion caused by canine parvovirus
to prevent clinical signs (nasal and ocular discharge) and reduce viral excretion caused by canine parainfluenza virus, to prevent clinical signs, infection and urinary excretion caused by *L. interrogans* serogroup Australis serovar Bratislava
to prevent clinical signs and urinary excretion and reduce infection caused by *L. interrogans* serogroup Canicola serovar Canicola and *L. interrogans* serogroup Icterohaemorrhagiae serovar Icterohaemorrhagiae
to prevent clinical signs and reduce infection and urinary excretion caused by *L. kirschneri* serogroup Grippotyphosa serovar Grippotyphosa
to prevent mortality, clinical signs and infection caused by rabies virus

Duration of immunity:
At least three years following the primary vaccination course for canine distemper virus, canine adenovirus type 1, canine adenovirus type 2, canine parvovirus and rabies. At least one year following the primary vaccination course for canine parainfluenza virus, Leptospira components.

DOSAGE

Subcutaneous use. Aseptically reconstitute the lyophilisate with the solvent. Shake well and administer immediately the entire content (1 ml) of the reconstituted product.

Basic vaccination scheme:
Two doses of Biocan Novel DHPPi/L4R 3–4 weeks apart from 8–9 weeks of age. The second dose should not be given before 12 weeks of age.

Rabies
In case of need, dogs younger than 8 weeks can be vaccinated as safety of this product has been demonstrated in 6 weeks old dogs. The vaccination may be indicated as soon as 6 weeks of age with compatible product Biocan Novel DHPPi.

Revaccination scheme:
A single dose of Biocan Novel DHPPi/L4R should be given every 3 years. Annual re-vaccination is required for Parainfluenza and Leptospira components therefore a single dose of compatible vaccine Biocan Novel Pi/L4 can be used annually as required.

SHELF LIFE

24 months, after reconstitution according to directions: administer the vaccine immediately.

STORAGE

Store and transport refrigerated (2 °C – 8 °C).Do not freeze. Protect from light.

PACKAGE

10 × 1 dose, 25 × 1 dose.

Vaccine intended for yearly revaccination against parainfluenza and leptospirosis

Biocan NOVEL Pi/L4

lyophilisate and solvent for suspension for injection for dogs

COMPOSITION

Freeze-dried fraction (live attenuated):
Canine Parainfluenza virus, strain CPiV-Bio 15 min $10^{3.1}$ $TCID_{50}$ max. $10^{5.1}$ $TCID_{50}$

Liquid fraction (inactivated):
Leptospira interrogans, serogroup Icterohaemorrhagiae, serovar Icterohaemorrhagiae, kmen MSLB 1089
GMT ≥ 1:51 ALR
Leptospira interrogans, serogroup Canicola, serovar Canicola, kmen MSLB 1090
GMT ≥ 1:51 ALR
Leptospira kirschneri, serogroup Grippotyphosa, serovar Grippotyphosa, kmen MSLB 1091
GMT ≥ 1:40 ALR
Leptospira interrogans, serogroup Australis, serovar Bratislava, kmen MSLB 1088
GMT ≥ 1:51

Lyophilisate and solvent, for suspension for injection.
The visual appearance is as follows:
Lyophilisate: Spongy matter of white colour.
Solvent: Whitish colour with easily shakeable sediments.
Reconstituted vaccine:Pinkish or yellowish colour with light opalescence

INDICATION

Active immunization of dogs from six weeks of age.
- to prevent clinical signs and reduce viral excretion caused by canine parainfluenza virus
- to prevent clinical signs, infection and urinary excretion caused by *Leptospira serovars bratislava, canicola, grippotyphosa and icterohaemorrhagiae*

Onset of immunity:
Immunity has been demonstrated from 3 weeks after completion of the primary course for CPiV and from 4 weeks after completion of the primary course for Leptospira components.

Duration of immunity:
At least one year following the primary vaccination course for all components of Pi/L4.

DOSAGE

Reconstitute one vial of the lyophilisate aseptically using the contents of one vial of the solvent. Shake well and immediately inject the entire content of the reconstituted vial (1 ml) subcutaneously. Do not use chemically sterilised syringes or needles, as these may interfere with the effectiveness of the vaccine.

Basic vaccination scheme:
Two doses of Biocan Novel Pi/L4 3 – 4 weeks apart from 6 weeks of age.

Revaccination scheme:
A single dose of Biocan Novel Pi/L4 to be given annually.

SHELF LIFE

24 months, after reconstitution according to directions: administer the vaccine immediately.

STORAGE

Store and transport refrigerated (2 °C – 8 °C). Do not freeze.

PACKAGE

10 × 1 dose, 25 × 1 dose.

Monovalent rabies vaccine containing time-tested strain SAD Vnukovo - 32

Biocan NOVEL R

NOVELTY 2017

COMPOSITION
Liquid fraction (inactivated):
Inactivated rabies virus, strain SAD Vnukovo-32 ≥ 2.0 IU***
Adjuvant:
Aluminium hydroxide gel 1.8–2.2 mg

INDICATION
Active immunization of dogs from 12 weeks of age to prevent mortality, clinical signs and infection caused by rabies virus. In case of need, dogs younger than 12 weeks can be vaccinated. In this case the vaccine can be administered from 6 weeks of age in two doses. The second dose should not be administered before 12 weeks of age and not earlier than 3 weeks after the first dose.

Onset of immunity:
2 weeks after a single vaccination from 12 weeks of age.

Duration of immunity:
At least three years following the primary vaccination course. Duration of immunity was demonstrated after one vaccination at 12 weeks of age.

DOSAGE
1 ml subcutaneously. Do not use chemically sterilised syringes or needles, as these may interfere with the effectiveness of the vaccine. Shake well before administration.
Basic vaccination scheme:
One dose of Biocan Novel R from 12 weeks of age.
The efficacy is proven after a single dose from 12 weeks of age in laboratory studies.

However, in field studies 10% of seronegative dogs did not show seroconversion (> 0.1 IU/ml) 3–4 weeks after single primary vaccination against rabies. Another 17% did not show the 0.5 IU/ml rabies antibody titre required by some non-EU countries to travel in. In case of travelling to risk areas or for travel outside the EU veterinary surgeons may wish to use a two dose primary course including rabies or give an additional rabies vaccination after 12 weeks.

In case of need, dogs younger than 12 weeks can be vaccinated. In this case the vaccine can be administered from 6 weeks of age in two doses. The second dose should not be administered before 12 weeks of age and not earlier than 3 weeks after the first dose.

Revaccination scheme:
A single dose of Biocan Novel R should be given every 3 years.

SHELF LIFE
24 months, after reconstitution according to directions: administer the vaccine immediately.

SPECIAL STORAGE PRECAUTION
Store and transport refrigerated (2 °C – 8 °C). Do not freeze.

PACKAGE
10 × 1 dose, 25 × 1 dose.

CATTLE VACCINES

BioBos IBR marker inact.
BioBos IBR marker live
BioBos L
BioBos L(6)
BioBos Respi 2 intranasal
BioBos Respi 3
BioBos Respi 4
KOLIBIN RC Neo
MORAXEBIN Neo
TRICHOBEN
TRICHOBEN AV

2

Marker vaccine against IBR (BHV-1) inactivated

BioBos IBR marker inact.

injection suspension for cattle

COMPOSITION

Active substance:
Bovine herpesvirus type 1 (BHV-1) inactivated (strain Bio-27: IBR gE -) RP ≥ 1

TARGET SPECIES

Cattle from the age of 3 months.

INDICATION

For active immunization of cattle to reduce intensity and term of the clinical symptoms caused by infection by the BHV-1 (IBR) virus and to reduce excretion of the field virus.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2 ml
Application: intramuscularly.
Basic vaccination:
two applications
in the 3-week interval.
Revaccination:
one application every 6 months.

Onset of protection 3 weeks after the basic vaccination immunity persists 6 months after the basic vaccination.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

10 ml, 50 ml, 100 ml in glass or plastic bottle.

Marker vaccine against IBR (BHV- 1) live

BioBos IBR marker live

lyophilizate and solvent for preparation of suspension

COMPOSITION

Active substance:

Bovine herpesvirus type 1 (BHV-1) attenuated (strain Bio-27: IBR gE -) min. $10^{5.7}$ $TCID_{50}$; max. $10^{7.5}$ $TCID_{50}$

TARGET SPECIES

Cattle.

CHARACTERISTIC AND INDICATION

Marker vaccine against IBR (BHV-1) live for the active immunization of cattle from 2 weeks of age, to reduce the intensity and duration of clinical symptoms induced by viral infection caused by BHV-1 (IBR), and to decrease the excretion of field virus. The onset of immunity was demonstrated 7 days after intranasal vaccination and 14 days after intramuscular vaccination of serologically negative animals. The vaccine does not induce the formation of antibodies against IBR glycoprotein E (marker vaccine). Thereby cattle vaccinated using this vaccine can be recognized from cattle infected with IBR field virus or vaccinated using conventional non-marker vaccines against IBR virus.

DOSAGE AND ROUTE OF ADMINISTRATION

2 ml intranasal or intramuscularly after aseptic preparation of the vaccine.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

5 × 5 doses or 1 × 25 doses in glass vials with 10 ml or 50 ml Diluent A.

Inactivated monovalent vaccine against leptospirosis of cattle caused by Leptospira borgpetersenii serovar hardjo, type hardjo-bovis

BioBos L

injection suspension for cattle

COMPOSITION

Active substance:
Leptospira hardjo type hardjo-bovis inact. min. titre 32 determined by ALR*

* The value was determined on the basis of the titres of the reference serum obtained from 5 rabbits vaccinated with a batch compliant with the challenge potency test on the target species (ALR = agglutination-lytic reaction).

TARGET SPECIES

Cattle.

INDICATION

For active immunization of cattle since 4 weeks of age against leptospirosis (serovar hardjo, typ. hardjo-bovis) to prevent infection, protection of embryos and foetuses and excretion of leptospiras especially by urine.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2 ml
Application: subcutaneously

Basic vaccination:
This requires administration of 2 vaccination doses with the range of 4 – 6 weeks, whereas the second dose must be administered at least 4 weeks before mating. The main effect is the prevention of excretion of leptospiras by urine. If the second vaccination dose is administered at least 2 weeks before mating the significant prevention of the foetus also occurs.
The calves may be vaccinated from 4 weeks of age, the basic vaccination requires the administration of 2 vaccination doses. At reaching the category of the heifer the vaccination is accomplished once before mating.

Revaccination:
For the keeping of the protective immunity an annual revaccination by a single dose is required at least 2 weeks before mating.
Onset imunity 4 weeks after basic vaccination scheme (after two doses of vaccine) and duration of immunity 12 months.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

4 ml, 10 ml, 20 ml, 50 ml, 100 ml, 250 ml in glass or plastic HDPE bottle.

Inactivated polyvalent vaccine against leptospirosis of cattle caused by major dangerous 6 serovars

BioBos L(6)

injection suspension for cattle

COMPOSITION

Active substance:

Leptospira pomona inact. min. titre 16 determined by ALR*

Leptospira hardjo type *hardjo-prajitno* inact. min. titre 35 determined by ALR*

Leptospira hardjo type *hardjo-bovis* inact. min. titre 32 determined by ALR*

Leptospira grippotyphosa inact. min. titre 64 determined by ALR*

Leptospira icterohaemorrhagiae inact. min. titre 81 determined by ALR*

Leptospira canicola inact. min. titre 35 determined by ALR*

* The values were determined on the basis of the titres of the reference serum obtained from 5 rabbits vaccinated with a batch compliant with the challenge potency test on the target species (ALR = agglutination-lytic reaction).

TARGET SPECIES

Cattle.

INDICATION

For active immunisation of cattle from 4 weeks of age against leptospirosis (6 serovars contained in the vaccine) to prevent infection, foetal infection and elimination of leptospires especially in urine.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2 ml

Application: subcutaneously

Basic vaccination:

This requires administration of 2 vaccination doses with the range of 4 – 6 weeks, whereas the second dose must be administered at least 4 weeks before mating. The main effect is the prevention of excretion of leptospiras by urine. If the second vaccination dose is administered at least 2 weeks before mating the significant prevention of the foetus also occurs.

The calves may be vaccinated from 4 weeks of age, the basic vaccination requires the administration of 2 vaccination doses. At reaching the category of the heifer the vaccination is accomplished once before mating.

Revaccination:

For the keeping of the protective immunity an annual revaccination by a single dose is required at least 2 weeks before mating.

Onset imunity 4 weeks after basic vaccination scheme (after two doses of vaccine) and duration of immunity 12 months.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

10 ml, 50 ml, 100 ml in glass or plastic bottles.

Intranasal live vaccine against major viral pathogens of Bovine respiratory disease complex (BRDC) caused by *Bovine respiratory syntitial virus* and *Parainfluenza 3 virus*

BioBos Respi 2 intranasal

lyophilisate and solvent for nasal suspension

COMPOSITION

Active substance:

Bovine parainfluenza 3 (PI3), modified live virus, strain Bio 23/A $10^{5.0} – 10^{7.5}$ $TCID_{50}$

Bovine respiratory syncytial virus (BRSV), modified, live, strain Bio 24/A $10^{4.0} – 10^{6.0}$ $TCID_{50}$

$TCID^{50}$ – a 50% infectious dose for tissue cultures

TARGET SPECIES

Cattle from the age of 10 days

INDICATION

For the active immunization of calves from the age of 10 days against BRSV and PI3V, to reduce the amount and duration of excretion of both these viruses.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2 ml

Application: intranasally

Administer one dose (2 ml) of the diluted vaccine intranasally to calves from 10 days of age using an special intranasal applicator. It is recommended to use a new applicator for each animal, in order to prevent the transmission of infection.

The onset of immunity has been demonstrated 10 days after a single vaccination. The duration of immunity after single dose is 12 weeks. Immunity has been demonstrated by vaccination of serologically negative animals.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package (lyophilisate) 2 years and solvent as packaged for sale 4 years. Shelf life after dilution according to directions: 2 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze. Protect from direct sunlight.

PACKAGE

Printed carton: 1 × 5 doses (1 × 3 ml of lyophilised vaccine + 1×10 ml of Diluent A).

Plastic box with a lid, with 10 wells: 5 × 5 doses (5 × 3 ml of lyophilised vaccine + 5 × 10 ml of Diluent A). Intranasal applicator (box with 5 pieces) is not part of the packaging. Aplicators are distributed together with the vaccine.

Inactivated vaccine against Bovine respiratory disease complex (BRDC) caused by *Bovine respiratory syncytial virus, Parainfluenza 3 virus* and bacteria *Mannheimia (Pasteurella) haemolytica*

BioBos Respi 3

injection suspension for cattle

COMPOSITION

Active substance:

Virus respiratoris syncytialis bovis inactivatum, strain Bio-24 RP ≥ 1*

Virus parainfluensis 3 bovis inactivatum, strain Bio-23 RP ≥ 1*

Mannheimia (Pasteurella) haemolytica inactivata, strain DSM 5283, serovar 1A RP ≥ 1*

**) Relative efficiency (RP) is given by the comparison of the antibody levels in serum prepared with the reference vaccine batch complying with the challenge test in target animals.*

TARGET SPECIES

Cattle from the age of 2 weeks.

INDICATION

For active immunisation of cattle against *Parainfluenza 3 virus* to reduce infection, *Bovine respiratory syncytial virus* to reduce infection and clinical symptoms, and bacteria *Mannheimia (Pasteurella) haemolytica* serotype A1 to reduce clinical symptoms and pulmonary lesions.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2 ml

Application: subcutaneously

Basic immunisation (vaccination with subsequent revaccination):
Vaccination of calves is recommended from 8 weeks of age with revaccination in 2–4 weeks (it is possible to vaccinate calves from the age of 2 weeks).

Revaccination:
In problematic breeds, another revaccination is recommended within a period of 6 months after basic immunisation, possibly before risky period in particular breed (e.g. transfer of animals, change of the stabling system, etc.).

Pregnant cows and heifers:
Vaccination with subsequent revaccination within 7–5 weeks and 4–2 weeks before expected date of labour due to increased resistance of the offspring via colostrum.

Antibody response against BRS virus, PI 3 virus and *Mannheimia haemolytica* reaches the highest level in 3 weeks after full immunisation programme. Another revaccination is recommended as required within an interval of 6 months after performance of the basic immunisation, because immunity persists after revaccination for at least 6 months.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

2 ml, 10 ml, 20 ml, 50 ml, 100 ml in glass bottle.

Inactivated vaccine against Bovine respiratory disease complex (BRDC) caused by *Bovine respiratory syncytial virus, Parainfluenza 3 virus, Bovine viral diarrhoea virus* and bacteria *Mannheimia (Pasteurella) haemolytica*

BioBos Respi 4

injection suspension for cattle

COMPOSITION

Active substance:

Virus respiratoris syncytialis bovis inactivatum,
strain BIO-24 RP ≥ 1

Virus parainfluensis 3 bovis inactivatum,
strain BIO-23 RP ≥ 1

Virus diarrhoeae bovis inactivatum,
strain BIO-25 RP ≥ 1

Mannheimia (Pasteurella) haemolytica inactivata,
strain DSM 5283,
serovar 1A RP ≥ 1

The vaccine induces production of antibodies against infection caused by *Bovine respiratory syntitial virus*, *Parainfluenza 3 virus*, *Bovine viral diarrhoea virus* and bacteria *Mannheimia (Pasteurella) haemolytica.*

TARGET SPECIES

Cattle from the age of 2 weeks.

INDICATION

For active immunisation of cattle against *Parainfluenza 3 virus* to reduce infection, *Bovine respiratory syncytial virus* to reduce infection and clinical symptoms, *Bovine viral diarrhoea virus* to reduce infection, and bacteria *Mannheimia (Pasteurella) haemolytica* serotype A1 to reduce clinical symptoms and pulmonary lesions.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2 ml
Application: subcutaneously

Basic immunisation (vaccination with subsequent revaccination):
Vaccination of calves is recommended from 8 weeks of age with revaccination in 2–4 weeks (it is possible to vaccinate calves from the age of 2 weeks).

Revaccination:
In problematic breeds, another revaccination is recommended within a period of 6 months after basic immunisation, possibly before risky period in particular breed (e.g. transfer of animals, change of the stabling system, etc.).

Pregnant cows and heifers:
Vaccination with subsequent revaccination within 7 – 5 weeks and 4 – 2 weeks before expected date of labour due to increased resistance of the offspring via colostrum.
Antibody response against BRS virus, PI 3 virus, BVD virus and *Mannheimia haemolytica* reaches the highest level in 3 weeks after full immunisation programme. Another revaccination is recommended as required within an interval of 6 months after performance of the basic immunisation, because immunity persists for at least 6 months.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

2 ml, 10 ml, 20 ml, 50 ml, 100 ml in glass bottle.

Inactivated vaccine against rota, corona and coli-infections of calves

KOLIBIN RC Neo

injection suspension for cattle

COMPOSITION
Active substance:
Rotavirus bovinum,
strain TM-91, inact. RP ≥ 1
Coronavirus bovinum,
strain C-197, inact. RP ≥ 1
E. coli – 3 serovars of inactivated enteropathogenic strains –
O8:K35, K99; O9:K35, K99;
O101:K30, K99 RP ≥ 1

Vaccination of pregnant heifers and cows induces formation of the specific colostral antibodies against both the viral and bacterial antigens contained in the vaccine.

TARGET SPECIES
Cattle (pregnant heifers and cows).

INDICATION
Active immunisation of pregnant heifers and cows for the purpose of passive immunisation of calves against gastro-enteric diseases caused by rotavirus, coronavirus and enteropathogenic *E. coli* strains.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application: intramuscularly, preferably into the muscles in gluteal region

The pregnant heifers (or still unvaccinated cows) are vaccinated twice at the interval of 21 days, namely, 7–5 weeks and 4–2 weeks before the first expected calving.
The next vaccinations are performed once, namely, before each next calving.

Onset of immunity in calves fed from mothers , and in calves fed with colostrum collected from the vaccinated cows, the passive protection starts when feeding begins. Duration of imunity in calves fed with colostrum collected from the vaccinated cows, their passive protection against infection lasts until feeding with colostrum is interrupted. The calves fed from mothers are protected against the infection by colostral and lactogenic immunity for the first 2–4 weeks of life.
Feeding with colostrum:
In order to ensure the effective prevention of calves against infection, the gastrointestinal tract of calves shall be saturated with colostrum obtained from the vaccinated cows for the first 2–3 weeks of their life. A calf shall drink the adequate colostrum volume obtained from the vaccinated cows within 6 hours after its birth.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
2 ml, 4 ml, 10 ml, 20 ml, 50 ml, 100 ml, 250 ml in glass bottle.

Inactivated vaccine against bovine infectious keratoconjunctivitis caused by *Moraxella bovis*

MORAXEBIN Neo

injection suspension for cattle

COMPOSITION

Active substance:
Moraxella bovis inactivata – at least 2.5 × 10^{10} CFU

TARGET SPECIES

Cattle.

INDICATION

Immunoprophylaxis of infectious bovine keratoconjunctivitis in cattle aged 1 months and above. From the immunological point of view, the mass vaccination should be performed in all sensitive animals before the beginning of a grazing season.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2 ml

Application: intramuscularly 2× at an interval of 14 days into a neck musculature close to a lymph-node before a blade-bone.

After the antigen contained in the vaccine is applied into an animals body, the specific antibodies against the infectious keratoconjunctivitis are formed and protect the immunized animal against the disease mentioned.

Onset of immunity is 14 days after the vaccination and lasts for 9 months.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 18 months and after the first opening 10 hours.

STORAGE

Keep in a dry and dark place at of 2 to 8 °C. Do not freeze!

PACKAGE

10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml in glass or plastic bottle.

Live vaccine for prevention and treatment of bovine trichophytosis caused by *Trichophyton verrucosum*

TRICHOBEN

lyophilisate and solvent for preparation of injection suspension for cattle

COMPOSITION

Active substance:
A) Lyophilizate: *Trichophyton verrucosum* – min. 3,125 × 10^6 CFU, max. 18,75 × 10^6 CFU
B) Solvent: Diluent A

TARGET SPECIES

Cattle from one day of age.

INDICATION

Both the prevention and treatment of bovine trichophytosis.
All animals in the stables must be vaccinated. Vaccination is also necessary after storing all newly stopped 1–2 month calves and animals transferred, since *Trichophyton verrucosum* is very resistant and survives in the environment for 6–8 years.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage (prophylactic and therapeutic):
Calves aged one day up to three months ..... 2 × 2 ml
Cattle older than three months ..... 2 × 4 ml
The interval between the vaccination and the revaccination should be 5–14 days.

Application: Intramuscular at the lumbar or gluteal region.

For vaccination and revaccination is recommended alternating right and left sides of the body
Another (the third) revaccination can be performed 2–4 weeks after the revaccination in the animals affected heavily with trichophytic changes and also in cachectic animals.

Immunity of the cellular type and partially of the humoral type is induced in the immunized animals. Onset of immunity is 1 month after the revaccination and lasts at least 5 years.

WITHDRAWAL PERIODS

Meat: 14 days.

SHELF LIFE

3 years. The vaccine shall be consumed within 2 hours since its dissolution.

STORAGE

Store and transport refrigerated (2 °C – 8 °C). Protect from frost. Protect from light.

PACKAGE

5 × 10 ml, 1 × 40 ml in glass bottle.

Avirulent live vaccine for prevention and treatment of bovine trichophytosis caused by *Trichophyton verrucosum*

TRICHOBEN AV

lyophilisate and solvent for preparation of injection suspension for cattle

COMPOSITION

Active substance:

A) Lyophilizate: *Trichophyton verrucosum avirulentum* –
min. 3,125 × 10^5 CFU
max. 18,75 × 10^6 CFU

B) Solvent: Diluent A

TARGET SPECIES

Cattle from one day of age.

INDICATION

For active immunisation of cattle to reduce clinical signs of dermatophytosis caused by *Trichophyton verrucosum* for prophylactic vaccination and for therapeutic use.
All animals in the stables must be vaccinated. Vaccination is also necessary after storing all newly stopped 1–2 month calves and animals transferred, since *Trichophyton verrucosum* is very resistant and survives in the environment for 6–8 years.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage (prophylactic and therapeutic):

Calves aged one day up to three months ... 2 × 2 ml
Cattle older than three months ... 2 × 4 ml
The interval between the vaccination and the revaccination should be 5–14 days.

Application: Intramuscular at the lumbar or gluteal region. For vaccination and revaccination is recommended alternating right and left sides of the body
Another (the third) revaccination can be performed 2–4 weeks after the revaccination in the animals affected heavily with trichophytic changes and also in cachectic animals.

Immunity is created within 1 month after revaccination and it persists at least one year.

WITHDRAWAL PERIODS

Meat: 14 days.

SHELF LIFE

3 years. The vaccine shall be consumed within 2 hours since its dissolution.

STORAGE

Store and transport refrigerated (2 °C – 8 °C). Protect from frost. Protect from light.

PACKAGE

5 × 10 ml, 1 × 40 ml in glass bottle.

EQUINE VACCINES

3

BioEquin F
BioEquin FH
BioEquin FT
BioEquin H
CLOTEID 4
FLUEQUIN
FLUEQUIN T
TRICHOEQUEN

Novel vaccine containing influenza antigens in according with the epidemiological situation

BioEquin F, suspension for injection for horses

Vaccines against influenza

COMPOSITION

Active substances in one dose

Virus influenzae equorum inactivatum, strains:

A/Equi 2/Morava 95 (European type) min. 5 $\log_2$ HIT[1]

A/Equi 2/Brno 08 (American type, clade Florida 2) min. 5 $\log_2$ HIT[1]

1 geometrical average of specific antibodies determinated by heamagglutination inhibition test in serum of guinea pigs

Injection suspension.

TARGET SPECIES

Horse.

INDICATION

For active immunization of horses to reduce the occurrence of clinical signs caused by equine influenza virus and to reduce virus spreading after infection.

Onset of immunity: 14 days after primary vaccination

Duration of immunity: 6 months after primary vaccination and 12 months after third dose of vaccination

DOSAGE

1 ml deep intramuscularly.

Primary vaccination course

First injection at the age 6 months, second injection is made 4 weeks later.

Revaccination

The first revaccination (third dose) is given 6 months after the primary vaccination course and further revaccination against influenza is carried out once in 12 months.

Revaccinate pregnant mares in the last trimester of pregnancy, no later than one month before the planned delivery.

SHELF LIFE

33 months, after the first opening in more doses: 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C).

PACKAGE

2 × 1 dose, 10 × 1 dose.

Unique combination of current influenza antigens and highly immunogenic strain of EHV-1

BioEquin FH

emulsion for injection for horses

COMPOSITION

Active substances in one dose:

Virus influenzae equorum inactivatum, strain:

A/Equi 2/Brno 08 (American type) H3N8 min. 6.0 log2 HIT[1]

A/Equi 2/ Morava 95 (European type) H3N8 min. 6.0 log2 HIT[1]

Herpesvirus equorum inactivatum (EHV-1) min. 2.1 log10 VNI[2]

Adjuvant(s):

Oil adjuvant (Montanide ISA 35 VG) 0.25 ml

Emulsion for injection.

The vaccine is a white, oily liquid with easily shakeable sediment.

TARGET SPECIES

Horses.

INDICATION

For active immunization of horses to reduce the occurrence of respiratory infection and clinical signs caused by equine influenza virus and equine herpesvirus (EHV-1).

For active immunization to reduce the occurrence of abortions in pregnant mares caused by equine herpesvirus (EHV-1) infection.

Onset of active immunity:

14 days after primary vaccination

Duration of active immunity:

6 months after revaccination.

DOSAGE

Vaccine dose – 1 ml.

The vaccine (1 ml) is applied deep intramuscularly.Before use heat the contents of the vial to a temperature of 15–25 °C and shake well.

Vaccination schedule:

Primary vaccination against equine influenza and herpesvirus:

The first vaccination at the age of 6 months; the second vaccination 4 weeks later.

Revaccination against equine influenza and herpesvirus:

The first revaccination (third dose) is administered 3 months after the primary vaccination and next revaccination is carried out every 6 months.

Vaccination of pregnant mares:

To reduce the incidence of abortions caused by equine herpesvirus infection one dose of the vaccine is administered to pregnant mares in the second month after mating and then in the fifth or sixth month and in the ninth month of pregnancy.

SHELF LIFE

Shelf-life of the veterinary medicinal product as packaged for sale: 18 months.

Shelf-life after first opening the immediate packaging: 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Protect from light. Store in a dry place.

PACKAGE

2 × 1 dose, 10 × 1 dose.

Effective combination of current influenza antigens and purified tetanus toxoid

BioEquin FT

emulsion for injection for horses

COMPOSITION

Active substances in one vaccine dose (1 ml) contains:

Inactivated virus equine influenza, strain:

A/Equi 2/ Morava 95 (European type), H3N8 min. 5 $\log_2$ HIT[1]

A/Equi 2/Brno 08 (American type, Florida 2), H3N8 min. 5 $\log_2$ HIT[1]

Tetanus toxoid purified min. 30 IU[2]

1. geometrical average of specific antibodies determinated by heamagglutination inhibition test in serum of guinea pigs
2. International Units; titre of antibodies against toxin induced after repeted vacciantion of guinea pigs determined by ELISA method

Adjuvant(s):

Aluminium hydroxide hydrated for adsorption 0.2 ml

Suspension for injection. White or yellowish to greyish brown suspension, during storage settle down sediment disperses after shaking.

TARGET SPECIES

Horses.

INDICATIONS FOR USE, SPECIFYING THE TARGET SPECIES

For active immunization of horses from 6 months of age against equine influenza to reduce clinical signs and excrection after infection, and active immunisation against tetanus.

Onset of immunity has been demonstrated by challenge test for equine influenza strain A/Equi 2/Brno 08, and by serology for strain A/Equi 2/Morava 95.

Duration of immunity has been demonstrated by serology for both vaccine influenza strains.

Influenza: Onset of active immunity:
14 days after primary vaccination
Duration of active immunity:
6 months after primary vaccination and at least 12 months after the first revaccination (after the third dose).

Tetanus: Onset of active immunity:
14 days after primary vaccination
Duration of active immunity:
6 months after primary vaccination and at least 12 months after the first revaccination (after the third dose).

DOSAGE AND ADMINISTRATION ROUTE

Vaccine dose – 1 ml.

The vaccine (1 ml) is applied deep intramuscularly. Before use heat the contents of the vial to a temperature of 15–25 °C and shake well.

Vaccination schedule:

Primary vaccination: The first vaccination at the age of 6 months; the second vaccination 4 weeks later.

Revaccination:

The first revaccination is administered 6 months after the primary vaccination and next revaccination is carried out every 12 months.

Revaccination of pregnant mares in the last trimester of pregnancy is carried out no later than one month before the planned parturition.

It is not recommended to use the vaccine BioEquin FT for the revaccination of horses previously vaccinated with the vaccine from another manufacturer or revaccinated the vaccine BioEquin FT by the vaccine of the another manufacturer. Vaccines containing the same strains of equine influenza as BioEquin FT are exceptions.

SHELF LIFE

Shelf-life of the veterinary medicinal product as packaged for sale:
33 months. Shelf-life after first opening the immediate packaging:
10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Protect from frost. Protect from light. Store in a dry place.

PACKAGE

2 × 1 dose, 10 × 1 dose

Vaccine against abortions cause EHV-1 provides partial cross immunity against EHV- 4

BioEquin H, emulsion for injection for horses

Inactivated vaccine against equine herpesvirus EHV-1

COMPOSITION

Active substances in one dose:

Herpesvirus equorum inactivatum (EHV-1)
min. 2.1 log10 VNI[1]

Adjuvant(s):

Oil adjuvant (Montanide ISA 35 VG) 0.25 ml

Emulsion for injection.
The vaccine is a oily liquid, creamy white, yellowish or pale pink colour, with easily shakeable sediment.

TARGET SPECIES

Horses.

INDICATION

For active immunization of horses to reduce the occurrence of respiratory infection and clinical signs caused by equine herpesvirus (EHV-1) and to reduce the occurrence of abortions in pregnant mares caused by equine herpesvirus (EHV-1) infection.

Onset of active immunity:
14 days after primary vaccination
Duration of active immunity:
6 months after revaccination

Use during pregnancy, lactation or lay

Can be used during pregnancy.
The safety of the veterinary medicinal product has not been established during lactation.

DOSAGE

Vaccine dose – 1 ml.
The vaccine (1 ml) is applied deep intramuscularly.
Before use heat the contents of the vial to a temperature of 15–25 °C and shake well.

Vaccination schedule

Primary vaccination:
The first vaccination at the age of 6 months; the second vaccination 4 weeks later.

Revaccination:
The first revaccination (third dose) is administered 3 months after the primary vaccination and next revaccination is carried out every 6 months.

Vaccination of pregnant mares:
To reduce the incidence of abortions caused by equine herpesvirus infection one dose of the vaccine is administered to pregnant mares in the second month after mating and then in the fifth or sixth month and in the ninth month of pregnancy.

SHELF LIFE

Shelf-life of the veterinary medicinal product as packaged for sale: 18 months.
Shelf-life after first opening the immediate packaging: 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Protect from light.
Store in a dry place.

PACKAGE

2 × 1 dose, 10 × 1 dose.

Safe toxoid vaccine for long-term protection against tetanus

CLOTEID 4 suspension for injection

Vaccine against tetanus

COMPOSITION

Active substance in one dose:

Anatoxinum tetanicum purificatum	RP ≥ 1
Adjuvants:	
Algeldrati suspensio	0,1 ml
Excipients:	
Thiomersalum	0,15 mg

Suspension for injection.

TARGET SPECIES

Horses, cattle, sheep, goats and dogs.

INDICATION

For the active immunization of horses, cattle, sheep, goats and dogs against tetanus from 3 months of age.

Onset of immunity: 14–21 days after basic vaccination

Duration of immunity: 2 years as a minimum, 4 years in horses

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION

No information is available on the safety and efficacy of this vaccine when administered concurrently with other veterinary medicinal products. Decision about using this vaccine before or after any other veterinary medicinal product must be based on consideration of individual cases.

DOSAGE

The vial contents should be shaken before use.

Dose - 1 ml, regardless of age, weight and breed of an individual.

Method of administration: intramuscular into the gluteal muscle. In horses, it is recommended to administer the product by the dry needle method, preferably into the gluteal muscle. In very restless horses, the product may be administered into the cervical or breast muscle.

Basic vaccination:

2 doses at an interval of 3 weeks for animals older than 3 months of age.

Revaccination:

Revaccination is recommended after two years, in horses after 4 years. In indicated cases another booster dose can be administered earlier.

SHELF-LIFE

36 months

STORAGE

Store in a refrigerator (2 °C – 8 °C). Keep in a dry room. Protect from light.

PACKAGE

2 × 1 ml, 10 × 1 ml, 20 × 1 ml

Effective combination of three influenza antigens

FLUEQUIN

injection suspension, for horses

COMPOSITION

Active substance in one dose:
Virus influensis A/Equi 1/Praha 56 inactivated, min. 160 HAU
Virus influensis A/Equi 2/ Morava 95 (European type) inactivated, min. 320 HAU
Virus influensis A/Equi 2/ Brno 97 (American type) inactivated, min. 320 HAU

Injection suspension.

TARGET SPECIES

Horse.

INDICATION

Preventive vaccination of horses against influenza.
Onset of immunity: Solid immunity starts 21 days following revaccination.
Duration of immunity: 6 months after primary vaccination course.

DOSAGE

1 ml deep intramuscularly.

Primary vaccination course

Primary vaccination course: First injection at the age of 3 to 6 months, second injection is made 4 to 6 weeks later.

Revaccination

The first revaccination (third dose) is given 6 months after the primary vaccination course. Further revaccinations take place at 6 to 12-month intervals depending on the infection situation.
Revaccinate pregnant mares in the last trimester of pregnancy, no later than one month before the planned delivery.

Note: In the case of foals born from mares demonstrably vaccinated before the delivery we recommend to vaccinate the foals at the age of 6 months due to the colostral immunity.

SHELF LIFE

Shelf-life of the veterinary medicinal product as packaged for sale 36 months.
Shelf life after the first opening in more doses: 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C).

PACKAGE

2 × 1 dose, 10 × 1 dose.

Combination of influenza antigens and tetanus toxins for yearly revaccination

FLUEQUIN T

injection suspension, for horses

COMPOSITION

Active substance in one dose:
Virus influensis A/Equi 1/Praha 56 inactivated, min. 160 HAU
Virus influensis A/Equi 2/ Morava 95 (European type) inactivated, min. 320 HAU
Virus influensis A/Equi 2/ Brno 97 (American type) inactivated, min. 320 HAU
Tetanus anatoxin, purified min. 150 IU

Injection suspension.

TARGET SPECIES

Horse.

INDICATION

Preventive vaccination of horses against influenza and tetanus.
Onset of immunity: Solid immunity comes within 14 to 21 days after revaccination
Duration of immunity: Against influenza for at least 6 months after primary vaccination course and 12 months after first revacccination. Against tetanus 12 months after primary vaccination course.

DOSAGE

1 ml deep intramuscularly.
Primary vaccination course

Primary vaccination course:
First injection at the age of 3 to 6 months, second injection is made 4 to 6 weeks later.

Revaccination
The first revaccination (third dose) is given against influenza 6 months after the primary vaccination course and against tetanus once in 12 months. Further revaccination against influenza and tetanus is carried out once in 12 months. Revaccinate pregnant mares in the last trimester of pregnancy, no later than one month before the planned delivery.

Note: In the case of foals born from mares demonstrably vaccinated before the delivery we recommend to vaccinate the foals at the age of 6 months due to the colostral immunity.

SHELF LIFE

36 months, after the first opening in more doses: 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C).

PACKAGE

2 × 1 dose, 10 × 1 dose.

Vaccine for successful management of trichophytosis in horses

TRICHOEQUEN inj. sicc. ad us. vet.

Vaccine against equine trichophytosis

COMPOSITION

Lyophilisate

Active ingredient in one dose:
Trichophyton equinum
min. 4×10^5 CFU, max. 16×10^6 CFU

Solvent

Diluent A 1 ml

TARGET SPECIES

Horse from the age of 4 months.

INDICATION

For prophylaxis and therapy of equine trichophytosis.

USAGE DURING PREGNANCY

The vaccine may be administered to pregnant animals in the whole period of pregnancy without any risk of adverse effects for youth and pregnant animals.

INTERACTION WITH OTHER MEDICINAL PRODUCTS

Oral or parenteral treatment with antimycotic agents is not recommended together with vaccination.

DOSAGE

Prophylactic:

- foals from the age of four months till the age of twelve months: 2 × 2.5 ml
- horses above twelve months of age: 2 × 5 ml

Interval between vaccination and revaccination is 10–16 days.

Therapeutic:

In foals and horses over 4 months twice 5 ml with an interval of 10–16 days. The third application of the vaccine in a therapeutic dose is recommended in case of an extensive affection. 10–16 days after revaccination.

Method of administration

Intramuscular, to the neck muscle or the muscles of the rear limb. Vaccination is recommended to the left half of the body and revaccination to the right half of the body.

SHELF LIFE

18 months, the vaccine must be used within 2 hours after reconstitution.

STORAGE

Store in a dark and dry place under a temperature of 2 °C – 8 °C.

PACKAGE

1 × 5 ml, 5 × 5 ml, 1 × 25 ml, 1 × 50 ml.

FELINE VACCINES

4

Biofel M Plus
Biofel PCH
Biofel PCHR

Unique vaccine for prophylaxis and treatment of dermatophytosis

Biofel M Plus injection suspension for cats

Vaccine against Microsporum canis in cats inactivated

COMPOSITION
Active substance:
Microsporum canis inact. – min. 1 million of vegetative forms

TARGET SPECIES
Cats.

INDICATION
For the prevention and therapy of dermal mycoses in cats induced by the dermatophyte *Microsporum canis*. Animals should be vaccinated at the age of 2 months and above.
The immunity develops within 1 month after revaccination and persists for at least 1 year.

DOSAGE
1 ml of the vaccine can be applied to animals aged two months and above, regardless of the age, weight and race of the individual.

Application: deep intramuscularly into the musculature of the pelvis extremity or subcutaneously behind the blade-bone.
The vaccination should be carried out into the left body side and the revaccination into the right body side.

Preventive and therapeutic use: animals shall be vaccinated twice at the interval of 10–21 days between the first and the second vaccination. The third vaccination dose can be applied, if necessary for therapeutic purposes, 10–21 days after the revaccination.

SHELF LIFE
Shelf-life of the veterinary medicinal product as packaged for sale: 18 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Protect from light. Store in a dry.

PACKAGE
2 × 1 ml, 10 × 1 ml, 20 × 1 ml, 50 × 1 ml, 100 × 1 ml.

Inactivated vaccine safe even for the chronically ill and immunodeficient cats

Biofel PCH emulsion for injection for cats

Vaccine against panleucopenia, calicivirus and herpesvirus infection of cats

COMPOSITION

Active substance:

Virus panleucopeniae contagiosae felis inactivatum	RP ≥ 1
Calicivirus felis inactivatum	RP ≥ 1
Herpesvirus felis inactivatum	RP ≥ 1

RP = Relative potency (ELISA test) by comparison with reference serum obtained from guinea pigs after vaccination with vaccine batch conforming to challenge test on target animal.

Oil adjuvant (Emulsigen) ad 1 ml

TARGET SPECIES

Cats.

INDICATION

For active immunization against panleucopenia, calicivirus and herpesvirus infection of cats. The protective immunity is created within 2–4 weeks after revaccination. The duration of immunity is 12 months.

AMOUNTS TO BE ADMINISTERED AND ADMINISTRATION ROUTE

Dose - 1 ml irrespective of age, weight and breed, but not sooner than in the eighth week of age.

Method of administration:

subcutaneously, preferably in the area behind the shoulder blade.

VACCINATION SCHEDULE

Basic vaccination

Two vaccinations at intervals of 3–4 weeks.The first vaccination with one dose of vaccine Biofel PCH from age 8 to 10 weeks and the second vaccination with one dose of vaccine Biofel PCHR from the age of 3 months.

Revaccination

Further regular revaccinations by the vaccine Biofel PCHR are carried out in 12-month intervals.

SHELF LIFE

24 months.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Protect from light. Protect from frost.

PACKAGE

2 × 1 dose, 10 × 1 dose, 5 × 5 doses, 10 × 5 doses, 20 × 1 dose, 100 × 1 dose, 1 × 5 doses

A smart combination with rabies in one vial, in one shot

Biofel PCHR emulsion for injection for cats

Vaccine against feline panleukopenia, herpesvirus and calicivirus infection and rabies

COMPOSITION

Active substance:

Virus panleucopeniae contagiosae felis inactivatum min. $10^{3,0}$ $TCID_{50}$

Calicivirus felis inactivatum min. $10^{5,5}$ $TCID_{50}$

Herpesvirus felis inactivatum min. $10^{5,0}$ $TCID_{50}$

Virus rabiei inactivatum min 1 IU

TARGET SPECIES

Cats.

INDICATION

For active immunization of cats against panleucopenia, calicivirus and herpesvirus infection and rabies.

DOSAGE

Dose – 1 ml regardless of age, weight and breed of the individual; but not sooner than in the third month of age.

Route of administration: subcutaneously, preferably in the area behind the shoulder blade.

Cats are vaccinated from the age of 8 to 10 weeks using Biofel PCH vaccine.

Revaccination is carried out within 3–4 weeks after the primary vaccination with the vaccine Biofel PCHR. Biofel PCHR vaccine may be administered from the age of 3 months.

The onset of protective immunity is 2 to 4 weeks after the revaccination. Further regular revaccinations by the vaccine Biofel PCHR are carried out in 12 month intervals.

SHELF LIFE

24 months.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Protect from light. Protect from frost.

PACKAGE

2 × 1 dose, 10 × 1 dose, 5 × 5 doses, 10 × 5 doses, 20 × 1 dose, 100 × 1 dose, 1 × 5 doses.

POULTRY VACCINES

LIVE VACCINES

ORNIBRON H120 CLONE
ORNIBRON H120 + D274
ORNIBUR Intermediate
ORNIBUR Intermediate Plus
ORNIMIX CLONE B1-Hitchner + H 120
ORNIPEST CLONE
ORNIPRIM CLONE B1
SALGEN

INACTIVATED VACCINES

ORNIDUCK
ORNIVAC EDS
ORNIVAC ND
ORNIVAC ND+GO
ORNIVAC ND+GO+IB+EDS
ORNIVAC ND+IB2+EDS
PMV-Salmovac

Live attenuated freeze-dried vaccine against Infectious Bronchitis

ORNIBRON H120 CLONE

lyophilizate for suspension for domestic fowl

COMPOSITION
Each dose of the vaccine contains infectious Bronchitis virus strain H 120 $10^{3} – 10^{5.3}$ EID_{50}.

TARGET SPECIES
Broilers, breeders and commercial layers.

INDICATIONS
Active immunization against infectious bronchitis.

DOSAGE AND ADMINISTRATION
Chickens could be vaccinated since the age of day-one by spray on chickens, by eye drop or into the nostril (dilute the vaccine in purified distilled water or water for injection).
For oral vaccination chickens should develop the habit of water consumption from drinkers; dilute the vaccine in fresh drinking water and provide to birds in an appropriate drinking system.

SHELF LIFE
30 months

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
10 vials each containing 500, 1000, 2500 and 5000 doses.

Live attenuated freeze-dried vaccine against Infectious Bronchitis containing two strains

ORNIBRON H120 + D274

lyophilizate for the preparation of suspension for domestic fowl

COMPOSITION
Each dose of the vaccine contains infectious bronchitis virus (IB) strain H120 $10^{3.0}$ – $10^{4.8}$ EID_{50} and strain D247 $10^{3.0}$ – $10^{4.8}$ EID_{50}, respectively.

TARGET SPECIES
Broilers, breeders and commercial layers.

INDICATIONS
Active immunization of chickens since the age of day-one against Infectious Bronchitis caused by Massachusetts serotype strains of infectious bronchitis virus and/or variant strain belonging to D274 protectotype.

DOSAGE AND ADMINISTRATION
Since the age of day-one by spray on chickens, by eye drop or into the nostril (dilute the vaccine in purified distilled water or water for injection).
For oral vaccination dilute the vaccine in fresh drinking water and provide in an appropriate drinking system.

SHELF LIFE
33 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
10 vials each containing 1000, 2500 and 5000 doses of the vaccine.

Live attenuated freeze-dried intermediate vaccine against Infectious Bursal Disease (Gumboro Disease)

ORNIBUR Intermediate

lyophilisate for suspension for domestic fowls

COMPOSITION
Each dose of the vaccine contains Infectious Bursal Disease Virus, Bio OP-23 $10^{4.0} – 10^{5.2}$ $TCID_{50}$.

TARGET SPECIES
Broilers, breeders and commercial layers.

INDICATIONS
Active immunization of chickens against Infectious Bursal Disease (IBD).

DOSAGE AND ADMINISTRATION
Dilute the vaccine in fresh drinking water and provide to chickens using an appropriate drinker.
When low or no maternal antibody is detected or in farms endangered with potential infection, vaccination can be performed as early as the age of 7 to 15 days.
Revaccinate 1–2 weeks after primary vaccination.

SHELF LIFE
24 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
10 vials each containing 500, 2000 and 5000 doses.

Live attenuated freeze-dried Intermediate Plus vaccine against Infectious Bursal Disease (Gumboro Disease)

ORNIBUR Intermediate Plus

lyophilizate for the preparation of suspension for domestic fowl

COMPOSITION
Each dose of the vaccine contains infectious Bursal Disease Virus, strain IBDV OP-1, min. $10^{4.0} – 10^{5.2}$ $TCID_{50}$.

TARGET SPECIES
Broilers, breeders and commercial layers.

INDICATIONS
Active immunization of chickens from the age of day-7 against IBD. The vaccine has the capacity of breaking through maternal antibodies, hence it can be recommended for a relatively early age vaccination when the farm's epidemiological situation requires.
Ornibur Intermediate Plus vaccine is particularly recommended for flocks endangered with very virulent strain of IBD virus.

DOSAGE AND ADMINISTRATION
Dilute the vaccine in fresh drinking water and provide to chickens using an appropriate drinker.
Primary vaccination 7–21 days of age, in infection endangered flocks since the age of 7 days.
Revaccinate 1–2 weeks after primary vaccination.

SHELF LIFE
24 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
10 vials each containing 500, 1000, 2500 or 5000 doses.

Live attenuated freeze-dried bivalent vaccine against Newcastle Disease and Infectious Bronchitis

ORNIMIX CLONE B1-Hitchner + H 120

lyophilizate for the preparation of suspension for chickens

COMPOSITION

Each dose contains attenuated strains of Newcastle Disease virus Bio 52, NDV B1 $10^{6.0} – 10^{7.5}$ EID_{50} and Infectious Bronchitis virus Bio 53, IBV H 120 $10^{3.0} – 10^{4.8}$ EID_{50}.

TARGET SPECIES

Broilers, breeders and commercial layers.

INDICATIONS

Intended for administration to healthy chickens as an aid to prevent Infectious Bronchitis and Newcastle Disease.
Advantage of incorporating both vaccines into a single vaccine is to:

- reduce double vaccination stress on chickens,
- reduce cost and work load of double vaccination,
- provide reasonable gap for other vaccines,
- protect chickens from an early age infection by both disease agents.

DOSAGE AND ADMINISTRATION

The vaccine is administered to day-old chickens by spraying or by drinking water.
For water vaccination, dilute the vaccine in fresh drinking water and provide to chickens using an appropriate drinker.
Revaccination can be performed after 4 weeks and 6 weeks following spray or via drinking water vaccination, respectively.

SHELF LIFE

24 months

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.
Store in a dry place protected from light.

PACKAGING

10 vials each containing 200, 1000, 2500 and 5000 doses.

Live attenuated freeze-dried vaccine of LaSota strain against Newcastle Disease

ORNIPEST CLONE

lyophilisate for suspension for domestic fowls

COMPOSITION
Each dose of the vaccine contains Newcastle Disease Vaccine strain La Sota SL 93 $10^{6.0}$ – $10^{8.0}$ EID_{50}.

TARGET SPECIES
Broilers, breeders and commercial layers.

INDICATIONS
Intended for administration to healthy chickens as an aid to prevent Newcastle Disease.

DOSAGE AND ADMINISTRATION
Spray on day-old chickens or install droplet into the eye or nostril (dilute the vaccine in purified distilled water or water for injection).
For oral vaccination dilute the vaccine in fresh drinking water.

SHELF LIFE
30 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
10 vials each containing 200 doses, 500 doses, 1000 doses and 2500 doses.

Live attenuated freeze-dried vaccine of lentogenic strain against Newcastle Disease

ORNIPRIM CLONE B1

lyophilizate for the preparation of suspension for chickens

COMPOSITION
Each dose of the vaccine contains Newcastle Disease virus strain Hitchner (B1) Bio 52 NDV B1 $10^{6.0} – 10^{7.5}$ EID_{50}.

INDICATIONS
Intended for primary vaccination of healthy chickens as an aid to prevent Newcastle Disease. Depending on the epidemiological condition of the farm chickens can be revaccinated with Orniprim Clone or Ornipest Clone.

TARGET SPECIES
Broilers, breeders and commercial layers.

DOSAGE AND ADMINISTRATION
Day-old chickens can be vaccinated by spraying using spray cabinet. The vaccine can also be applied into the nostril or by eye drop. For the eye and nose droplets, the vaccine should be diluted in purified distilled water or water for injection.
Another way of mass vaccination is application via fresh drinking water.

SHELF LIFE
30 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
10 vials each containing 200 doses, 500 doses, 1000 doses and 2500 doses.

Live attenuated freeze-dried vaccine against salmonellosis

SALGEN

Vaccine against avian salmonelosis, attenuated

COMPOSITION
Attenuated *Salmonella typhimurium* $2\times10^6 – 3.8\times10^7$ CFU in a stabilizer. Oral lyophilisate to be reconstituted with fresh drinking water for oral vaccination.

TARGET SPECIES
Gallinaceous species (domestic fowl, water fowl, pheasants and pigeons).

INDICATIONS
Active immunization against salmonella serotypes group B and D to reduce faecal shedding of *S. typhimurium* and colonization of internal organs with the bacterium.

DOSAGE AND ADMINISTRATION
The lyophilised vaccine is diluted in an appropriate volume of fresh drinking water and administered orally via drinking water.

SHELF LIFE
24 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
20 ml and 50 ml vials either per 1 vial or 5 vials packed in a box. For dosage information see product leaflet.

Inactivated oil emulsion vaccine against Duck Infectious Hepatitis

ORNIDUCK

emulsion for injection for ducks

COMPOSITION
Each dose of the vaccine contains
Virus hepatitis infectiosae anatum inactivatum
min. $10^{5.0}$ $KELD_{50}$.

TARGET SPECIES
Ducks.

INDICATIONS
For active immunization of mature ducks in a breeding and production flocks. Ducklings from vaccinated ducks receive passive immunity that protects them from early age infection.

DOSAGE AND ADMINISTRATION
0.5 ml of the vaccine is inoculated intramuscularly into the breast muscle.

SHELF LIFE
24 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
100 ml bottle each containing 200 doses packed either singly or in a pack of 12 or 20 bottles.
250 ml bottle containing 500 doses.
500 ml bottle containing 1000 doses.

Inactivated oil emulsion vaccine against Egg Drop syndrome

ORNIVAC EDS

emulsion for injection for domestic fowl

COMPOSITION
Each dose of the vaccine contains inactivated adenovirus EDS strain min. 1,000 HAU.

TARGET SPECIES
Broiler breeders and layers.

INDICATIONS
Active immunization of parent flocks against EDS. Vaccinated parents subsequently pass to their progenies immunity against EDS.

DOSAGE AND ADMINISTRATION
0.5 ml of the vaccine is inoculated intramuscularly into the breast muscle. Usually pullets are vaccinated 2–4 weeks before point of lay (16–20 weeks of age).

SHELF LIFE
12 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
Bottles of 50 ml – 150 doses,
100 ml – 300 doses,
250 ml – 750 doses,
500 ml – 1500 doses.

Inactivated oil emulsion monovalent vaccine against Newcastle Disease

ORNIVAC ND

emulsion for injection for domestic fowl

COMPOSITION
One dose of 0.3 ml of the vaccine contains an inactivated pseudopestis avium, strain NDV SL-93 at a concentration of > 4 log2 HIT.

TARGET SPECIES
Broiler breeders and layers.

INDICATIONS
Active immunisation of poultry against Newcastle disease. To be used as a booster after previous administration of a live vaccine. Immunity starts not later than 14 days after vaccination and lasts until the end of lay. The onset and duration of immunity were proved serologically.

DOSAGE AND ADMINISTRATION
Individual application to each pullet by injection of the vaccine into the breast muscle
For each bird the volume of 0.3 ml is applied using a sterile needle.
Usually vaccination is performed since the age of 16 weeks, abobut 4 weeks before pullets are transferred to the egg laying house. Ornivac ND is the best booster of immunity against ND when the vaccine is applied to chickns that are primed with the corresponding live vaccine. Immunity persists until the end of the egg laying period.

SHELF LIFE
18 months from the date of manufacture and 10 hours, if the vaccine is opened for use, provided the vaccine is kept under the recommended temperature (2 °C – 8 °C).

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
240 ml vial containg 800 doses
480 ml bottle containing 1600 doses
Individual packcaging:
1 × 800 doses, 1 × 1600 doses
Multiple packaging in cartons:
10 × 800 doses,
10 × 1600 doses

Inactivated oil emulsion bivalent vaccine against Newcastle Disease and Infectious Bursal Disease

ORNIVAC ND+GO

emulsion for injection for domestic fowl

COMPOSITION
Each dose of the vaccine contains:
1) Paramyxovirus pseudopestis avium ante inactivatum
min. $10^{8.0}$ EID_{50}
2) Virus bursitidis infectiosae avium ante inactivatum
min. $10^{6.3}$ $TCID_{50}$.

TARGET SPECIES
Broiler breeders and layers.

INDICATIONS
Immunization of broiler breeder pullets and layers. Vaccinated parents subsequently pass to their progenies immunity against ND and IBDV

DOSAGE AND ADMINISTRATION
A dose of 0.3 ml is inoculated intramuscularly into the breast muscle or subcutaneously at the back of the neck. Usually pullets are vaccinated 2–4 weeks before onset of the egg laying period. Primary vaccination with the corresponding live vaccine is recommended (ND, IBDV).

SHELF LIFE
18 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
Bottles of 50 ml – 100 doses,
100 ml –200 doses,
250 ml – 500 doses,
500 ml – 1000 doses.

Inactivated oil emulsion quadrivalent vaccine against Newcastle Disease, Infectious Bursal Disease, Infectious Bronchitis and Egg drop syndrome

ORNIVAC ND+GO+IB+EDS

emulsion for injection for domestic fowl

COMPOSITION
Each dose of the vaccine contains:
a) Paramyxovirus pseudopestis avium, NDV strain SL-93
min. $10^{8.6}$ EID_{50}
b) Virus bursitidis infectiosae avium ante inactivatum, IBDV strain OP-23 strain
min. $10^{6.6}$ $TCID_{50}$
c) Virus bronchitidis infectiosae avium ante inactivatum, IBV strain M-41 strain
min. $10^{6.8}$ EID_{50}
d) Adenovirus EDS 76 ante inactivatum min. 1000 HAU.

TARGET SPECIES
Broiler breeders and layers.

INDICATIONS
Immunization of broiler breeder pullets and commercial layers in order to protect them from ND, IBD, IB and EDS. Vaccinated layers then pass protective immunity against ND, IBDV, IB and EDS to their offspring via the egg.

DOSAGE AND ADMINISTRATION
A dose of 0.5 ml is inoculated intramuscularly into the breast muscle or subcutaneously at the back of the neck. Usually pullets are vaccinated 2–4 weeks before onset of the egg laying period. Primary vaccination with the corresponding live vaccine is recommended.

SHELF LIFE
18 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
In bottles of
50 ml – 100 doses,
100 ml –200 doses,
250 ml – 500 doses,
500 ml – 1000 doses.

Inactivated oil emulsion trivalent vaccine against infectious bronchitis, Newcastle Disease and Egg Drop syndrome

ORNIVAC ND+IB2+EDS

emulsion for injection for domestic fowl

COMPOSITION
Each dose of the vaccine contains
a) Newcastle Disease Virus strain SL-93, min. 24 HIU,
b) 2 strains of Infectious Bronchitis Virus (IBV M-41 – min. $2^{6.2}$ HIU and IBV D 274, min. $2^{6.3}$).
c) Adenovirus EDS strain Bio 56, min. $2^{6.5}$ HIU.

TARGET SPECIES
Broiler breeders and layers.

INDICATIONS
Active immunization of parent flocks and layers to induce immunity against ND, IB serotype Massachusetts and strain D274 and EDS. Vaccinated parents subsequently pass to their progenies immunity against ND, IBDV and EDS.

DOSAGE AND ADMINISTRATION
0.5 ml of the vaccine is inoculated intramuscularly into the breast muscle. Usually pullets are vaccinated 2–4 weeks before point of lay (16–20 weeks of age).

SHELF LIFE
18 months.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING
Bottles of 50 ml – 100 doses,
100 ml –200 doses,
250 ml – 500 doses,
500 ml – 1000 doses.

Inactivated oil emulsion bivalent vaccine against Pigeon Paramyxovirus and salmonellosis

PMV-Salmo-Vac

emulsion for injection for pigeons

COMPOSITION

Salmonella typhimurium subsp. copenhagen, strain 1, 4, 12 : i : 1, 2, inactivatum RP ≥ 1*

Paramyxovirus pseudopestis avium, strain NDV SL-93, inactivatum RP ≥ 1*

*RP = Relative potency (ELISA test) compared with the reference serum obtained after vaccination of mice with a vaccine batch that has successfully passed the challenge test on the target species.

TARGET ANIMAL SPECIES

Pigeons.

INDICATIONS

For active immunization of pigeons against paraxymovirus (ND) and salmonellosis since the age of 3 weeks. The salmonellosis part of the vaccine helps to reduce colonization of the gastrointestinal tract and excretion of the strains *S. typhimurium var. Copenhagen, S. enterica subsp. Enterica serowar typhi, S. paratyphi A, S. hirschfeldii (S. paratyphi C), S. anatum, S. senftenberg* via faeces.

DOSAGE AND ADMINISTRATION

0.3 ml of the vaccine is applied subcutaneously in the back of the neck. Primary vaccination of young pigeons takes place at 3–4 weeks of age and revaccination at an interval of 4 weeks. The second vaccination should not be applied later than 3 weeks before flight or exhibition.
Adult pigeons which have already been vaccinated with PMV-Salmo-Vac should be revaccinated annually and 2–3 weeks before mating.

SHELF-LIFE

18 months.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze. Store in a dry place protected from light.

PACKAGING

Vials of 10 ml, 20 ml, and 50 ml each containing 25, 60 and 150 doses, respectively.

Not all packaging sizes are available in certain market territories

RABBIT VACCINES

6

MYXOREN
PASORIN-OL
PESTORIN
PESTORIN MORMYX
TRICHOPELEN

Vaccine containing immunogenic strain of poxvirus for three way of administration

MYXOREN lyophilisate and solvent for parenteral use

Vaccine against myxomatosis vivid MXT

COMPOSITION

Poxvirus myxomatosae attenuatum min. $10^{3.3}$ $TCID_{50}$ max. $10^{5.8}TCID_{50}$
Diluent A - *Natrii chloridum* – 8.34 mg, *Kalii chloridum* – 0.21 mg, *Natrii hydrogenophosphas* – 2.47 mg, *Kalii dihydrogenophosphas* – 0.21 mg, *Aqua pro injectione* ad 1.0 ml.
Lyophilisate and solvent for parenteral use.
For rabbits.

INDICATIONS

Preventive vaccination of clinically healthy rabbits against myxomatosis.

ADMINISTRATION ROUTE AND DOSAGE

The vaccine can be either injected into an auricle using a special double needle or applied subcutaneously in a backbone region or a needless applicator (does 0.1 or 0.2 ml).
The single-dose package intended for a subcutaneous application contains 1 ml of the diluent.
If the vaccine is to be injected into an auricle, 1.5 ml and 0.8 ml of the diluent is contained in the package that is sufficient for 100 doses and 50 doses, respectively.
In subcutaneous application, the amount of diluent is 20 ml or 10 ml and it represents 20 doses or 10 doses s.c.
In application using the needless applicator with the dose of 0.2 ml, the amount of diluent is 20 ml or 10 ml and it represents 80 or 40 needles doses. When using needles applicator with 0.1 ml dose, the amount of diluent is 10 ml or 5 ml and such diluted vaccine represents 100 or 50 doses.
Antibodies obtained from mothers inhibit the vaccination effect; the animals should not be therefore vaccinated earlier than at the age of 4 weeks. In case of the single vaccination performed at the age of 10 weeks and above the immunity lasts for at least 6 months. If an animal is immunized earlier than at the age of 10 weeks, it should be revaccinated 6 weeks later and the immunity then lasts for at least 6 months. The next revaccination should be performed not later than 6 months after the last vaccination.
Two vaccinations a year, namely, the vaccination in springtime and the revaccination during summer, should be preferably performed in breeding rabbits in regions with unfavourable infection conditions.

SHELF LIFE

2 years, the vaccine shall be consumed within 4 hours since its dilution!

STORAGE

Store in a dry and dark place at a temperature of 2 to 8 °C.

PACKAGE

1 × 10, 5 × 10, 5 × 20 subcutaneous doses, 1 × 40, 1 × 80, 1 × 50, 1 × 100, 5 × 40, 5 × 80, 5 × 50, 5 × 100 needless dose, 1 × 50, 1 × 100, 5 × 50, 5 × 100 doses applied with double needle.
Single-dose packages: 1 × 1, 5 × 1, 10 × 1 subcutaneous dose.

Simple protection against difficultly treatable infection of respiratory tract

PASORIN-OL inj. ad us. vet.

Vaccine against rabbit pasteurellosis

COMPOSITION

Suspension:
Suspension *Pasteurella multocida* A, D min. 1. 10^{10}
Adjuvant: *Emulsio olei* ad 1.0 ml

INDICATION

The vaccine serves for rabbit pasteurellosis immunoprophylaxis.

USE DURING PREGNANCY, LACTATION

14 days after vaccination and within 14 days after revaccination, doe rabbits may show a lower rate of pregnancy (up to 15 %). Other negative influences on pregnancy and lactation were not observed.
Interaction with other medicinal products and other forms of interaction
The vaccine may be administered simultaneously with Pestorin-Mormyx inj.sicc.a.u.v. vaccine.

DOSAGE

Rabbits between 4th and 6th week of age 0.5 ml
Rabbits over 7th week of age 1 ml

Recommended vaccination schedule:

- the 1st vaccination dose in the 4th week of age,
- the 2nd vaccination dose in the 7th week of age,
- the 3rd vaccination dose in the 10th week of age (breeding rabbits).

Further regular immunization always with one vaccine dose every 6 months.
When vaccinating older rabbits for the first time, immunize twice at an interval of 3 weeks, further regular immunizations with one vaccine dose every 6 months.

MODE OF ADMINISTRATION

Subcutaneous.

SHELF LIFE

1 year, after the first opening within 10 hours

STORAGE

Store in a dry and dark place at temperatures between 2 and 8 °C.
Do not freeze.

PACKAGE

1 × 20 ml, 1 × 100 ml

Safe inactivated vaccine for easy subcutaneous administration against RHD

PESTORIN suspension for injection for rabbit

Vaccine against Rabbit Haemorrhagic Disease

COMPOSITION
Active substance in one dose:
Calicivirus septicemiae haemorrhagiae cuniculi (solutio organorum) – min. 128 HA
Adjuvant: Aluminium hydroxide hydrated for adsorption.

INJECTION
For rabbits.

INDICATION
For preventive vaccination of healthy rabbits against viral haemorrhagic disease of rabbits.

USE DURING PREGNANCY, LACTATION OR LAY
Can be used during pregnancy. It is not recommended to vaccinate doe rabbits in the last week of pregnancy due to hazard of abortion by a strong grip.

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION
Combination of vaccines – concurrently with subcutaneous aplication of the vaccine against RHD the any application of a vaccine against myxomathosis (live MXT – according to enclosed Package Insert for the Vaccine against myxomathosis is possible. The vaccine shall not be mixed due to their different characteristics.

AMOUNTS TO BE ADMINISTERED AND ADMINISTRATION ROUTE
1 ml subcutaneously, regardless of animal weight.

SHELF LIFE
2 years, after first opening the container – 10 hours.

STORAGE
Store in a dark and cold place at temperatures between 2 and 8 °C
The vaccine shall not be allowed to freeze!

PACKAGE
2 × 1 dose, 5 × 1 dose,
10 × 1 dose, 1 × 10 doses,
1 × 20 doses, 5 × 20 doses,
1 × 50 doses

Protection against RHD and myxomatosis in one shot

PESTORIN MORMYX

lyophilisate and solvent for suspension for injection

Vaccine against Rabbit haemorrhagic disease and myxomatosis

COMPOSITION

Active substances in one dose:
Liquid component: *Calicivirus septicemiae haemorrhagiae cuniculi (solutio organorum)* – min. 80*, aluminium hydroxide, thiomersal, buffered saline solution.
*Titre of hemagglutination inhibition antibodies following vaccination of laboratory animals (rabbit)

Lyophilized component: *Poxvirus myxomatosae attenuatum* – min. $10^{3,3}$ – max. $10^{5,8}TCID_{50}$, cultivation medium MEM, lyophilization medium.
Solution for injection.
For rabbits

INDICATIONS

For the preventive immunization of clinically healthy rabbits against rabbit haemorrhagic disease and myxomatosis.
Rabbits should be vaccinated at the age of 10 weeks.
Vaccination can be performed earlier in case of adverse infectious conditions, namely, as follows:

a) Vaccination with the monovalent vaccine against myxomatosis (Myxoren) can be performed at the age of 4 weeks and above followed with the revaccination with the vaccine Pestorin Mormyx that shall be applied not earlier than at the age of 10 weeks. The interval of at least 2 weeks shall be kept between the applications of the vaccines Myxoren and Pestorin Mormyx.
b) Vaccination with the vaccine Pestorin Mormyx can be performed at the age of 6 weeks and above followed by the revaccination performed 4 weeks later.
Next revaccinations with the vaccine Pestorin Mormyx is recommended to be performed in 6-month intervals in breeding animals. Considering the disease seasonal incidence, animals should be vaccinated (re-vaccinated) in time to ensure their full immunity during the whole critical period of infection occurrence.

AMOUNTS TO BE ADMINISTERED AND ADMINISTRATION ROUTE

Dose: 1 ml regardless of animal size.
Administration: subcutaneously.

SHELF LIFE

24 months
Use the vaccine within 2 hours mixing the components!

STORAGE

Store in a dry and dark place at 2 to 8 °C. The vaccine do not freeze!

PACKAGE

1 × 1, 5 × 1, 10 × 1 dose
1 × 5, 5 × 5, 10 × 5, 1 × 10 dose
5 × 10, 10 × 10 dose.

For protection of animals in large rabbits farms against dermatofytosis

TRICHOPELEN

lyophilisate for suspension for injection with solvent

Vaccine against trichophytosis in fur-bearing animals

COMPOSITION

Active substance in one dose:
Trichophyton mentagrophytes
min. 2×10^5 CFU,
max. 8×10^6 CFU

Solvent
Diluent A 1 ml
Lyophilisate for suspension for injection with solvent

TARGET SPECIES

Silver foxes, arctic foxes, rabbits, chinchillas.

INDICATION

Prophylaxis and therapy of trichophytosis in fur-bearing animals.

DOSAGE

The preparation should be applied intramuscularly in a lumbar or gluteal region.

Broiler rabbits aged 14 days to 6 weeks:
Prophylactic doses: 2 × 0.25 ml
Therapeutic doses: 2 × 0.25 ml

Silver foxes, artctic foxes and rabbits aged 6 weeks and above:
Prophylactic doses:
2 × 0.5 ml of the vaccine
Therapeutic doses:
2 × 1 ml of the vaccine

Chinchillas:
Prophylactic doses:
animals aged 2–3 months
2 × 0.25 ml
animals aged 3 months and above 2 × 0.5 ml
Therapeutic doses: 2 × 0.5 ml

The interval between vaccination and revaccination is in broiler rabbits aged 14 days to 6 weeks 5–12 days, for other animals 8–12 days.

WITHDRAWAL PERIODS

Meat 6 weeks.

SHELF LIFE

18 months. The reconstituted vaccine shall be consumed within 2 hours.

STORAGE

Store and transport refrigerated (2 °C – 8 °C). Do not freeze. Protect from light. Store in a dry place.

PACKAGE

1 × 1 ml + Diluent A,
5 × 1 ml + 5 × Diluent A,
5 × 10 ml + 5 × Diluent A,
1 × 50 ml + Diluent A

SWINE VACCINES

BIOSUIS APP 2,9,11
BIOSUIS M.hyo
BIOSUIS PARVO L (6)
BIOSUIS PRRS inact Eu+Am
BIOSUIS Respi E
ERYPESTEN
ERYSEN
ERYSIN SINGLE SHOT
KOLIERYSIN Neo
KOLISIN Neo
PARVOERYSIN
PARVOSIN-OL
PESTISEN-C
POLYPLEUROSIN APX PLUS IM
RHINISIN DNT
ROKOVAC NEO
BIOSUIS PRRS live

7

Inactivated vaccine against actinobacillosis of pigs caused by dangerous serotypes 2,9,11 with toxoids APX I, II and III with the dose 1 ml only

BIOSUIS APP 2,9,11

emulsion for injection for pigs

COMPOSITION

Actinobacillus pleuropneumoniae serovar 2	RP ≥ 1*
Actinobacillus pleuropneumoniae serovars 9, 11	RP ≥ 1*
toxoid APX I	RP ≥ 1*
toxoid APX II	RP ≥ 1*
toxoid APX III	RP ≥ 1*

The vaccine contains inactivated whole-cell antigens of *Actinobacillus pleuropneumoniae* s.2, s.9 and s.11 and toxoids APX I, APX II and APX III. These antigens after parenteral administration cause production of specific antibodies, which help to protect against the consequences of field infection by *Actinobacillus pleuropneumoniae*.

TARGET SPECIES

Pigs.

INDICATION

For active immunisation of fattening pigs to mitigate the consequences of infection caused by *Actinobacillus pleuropneumoniae* – the cause of porcine pleuropneumonia.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: piglets from the age of 6 weeks are vaccinated with a dose of 1,0 ml
Application: intramuscularly, preferably to the paraauricular area.
The onset of active immunity 3 weeks after revaccination and the duration of immunity 20 weeks after revaccination.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

10 ml, 50 ml, 100 ml, 250 ml in glass or plastic bottle.

Inactivated vaccine against enzootic pneumonia of pigs with the possibility to use only one dose after 10 days of age.

BIOSUIS M.hyo

emulsion for injection for pigs

COMPOSITION
Active substance:
Inactivated *Mycoplasma hyopneumoniae* RP ≥ 1*

TARGET SPECIES
Pigs.

INDICATION
For active immunization of fattening pigs to mitigate the effects of infection with *Mycoplasma hyopneumoniae* – a causative agent of enzootic pneumonia in pigs.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application: intramuscularly, preferably to the paraauricular area.
The vaccine should be administered according to the following schemes:
1) 1 dose should be administered to piglets after 10 days of age.
2) In the farms with high infection pressure by *Mycoplasma hyopneumoniae* 2 doses at an interval of 3 weeks can be administered from 7 days of age.
Selection of the vaccination scheme depends on knowing the disease incidence on a particular farm.The product stimulates active immunity against *Mycoplasma hyopneumoniae*, thus mitigating the effects of infection with *M. hyopneumoniae* in fattening pigs.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
10 ml, 100 ml, 250 ml in glass or plastic bottle.

Inactivated vaccine against porcine parvovirosis and all dangerous serotypes of leptospira including Leptospira pomona and Leptospira bratislava

BIOSUIS PARVO L (6)

emulsion for injection for pigs

COMPOSITION

Active substance:
Parvovirus suis inact. min. 512 HA
Leptospira pomona inact. min. 1×10^8
Leptospira Hardjo inact. min. 1×10^8
Leptospira Bratislava inact. min. 1×10^8
Leptospira grippotyphosa inact. min. 1×10^8
Leptospira icterohaemorrhagiae inact. min. 1×10^8
Leptospira canicola inact. min. 1×10^8

Immunisation induces production of specific antibodies that protect embryos and foetuses of gilts and sows against parvovirosis and leptospirosis for the whole period of pregnancy.
The high titres of post-vaccination antibodies in boars prevent parvovirus and leptospira replication in the genitals and reduce the risk of infection transmission during mating.

TARGET SPECIES

Pigs.

INDICATION

For preventive vaccination of sows, gilts and boars against porcine parvovirosis and leptospirosis. The BIOSUIS PARVO L (6) vaccine can be simultaneously administered with other inactivated vaccines from the product range of the Bioveta, a.s.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2ml
Application: intramuscularly
1) Gilts and sows:
Primovaccination – two vaccine doses – vaccination and revaccination.
Vaccination 4–5 weeks prior to covering and in 2–3 weeks after vaccination is revaccination performed so that it is accomplished 2–3 weeks prior to mating.
Further regular vaccinations always with one vaccination dose 2–4 weeks prior to mating.
2) Boars:
Primovaccination – two vaccine doses – vaccination and revaccination.
Vaccination 4–5 weeks prior to first mating or ejaculate collection and in 2–3 weeks after vaccination a revaccination is performed so that it is accomplished 2–3 weeks prior to first mating or inclusion of the boar to artificial insemination. To maintain immunity, revaccinate always with one vaccination dose within 6 months.
The maximal level of postvaccination antibodies is detected 14 to 28 days after revaccination and these antibodies persist for at least 6 months after the vaccination.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

4 ml, 10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml in glass or plastic bottle.

Inactivated vaccine against PRRS infection combines both known European and American strains

BIOSUIS PRRS inact Eu+Am

emulsion for injection for pigs

COMPOSITION
Active substance:
Inactivated PRRS virus:
PRRS/EU strain
min. $10^{5.1}$ $TCID_{50}$ ≥ RP 1
PRRS/US strain
min. $10^{5.1}$ $TCID_{50}$ ≥ RP 1

TARGET SPECIES
Pigs (gilts and sows).

INDICATION
Active immunization of gilts and sows to reduce reproductive disorders and viremia caused by porcine reproductive and respiratory syndrome virus (European and American type). In the herds infected with the PRRS virus the infection is of heterogeneous character and is manifested differently during the time period. In this context, the correctly applied vaccination programme, together with the zoohygienic actions, is an effective tool for improvement of reproductive indicators and for control of the disease.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application:intramuscularly preferably to the paraauricular area.
The animals (gilts) may be vaccinated before mating from the age of 6 months.
Basic vaccination:
1) Gilts:
Primary vaccination 2×1 dose at an interval of 2–3 weeks, before mating, the third dose on day 60–70 of gestation following the primary vaccination.
2) Sows:
Primary vaccination 2×1 dose at an interval of 2–3 weeks, before mating, areal vaccination of sows in the herd in the shortest possible time interval is recommended, the third dose on day 60–70 of gestation following the primary vaccination.

REVACCINATION:
Application of 1 dose (2 ml) on day 60–70 in each pregnancy following the basic vaccination. The scope of immunization is at the discretion of a veterinary surgeon and depends also on the specific epizootic situation.
The onset of immunity was demonstrated by challenge 3 weeks after the primary vaccination (i.e. after the administration of three doses) and the duration of immunity demonstrated by challenge was 6 months.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 18 months and after the first opening of the immediate packaging 10 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
10 ml, 50 ml, 100 ml in glass or plastic bottle.

Inactivated combined vaccine against actinobacillosis, all forms of erysipelas and dangerous serotypes H.parasuis caused Glässer disease

BIOSUIS Respi E

emulsion for injection for pigs

COMPOSITION

Active substance:

Actinobacillus pleuropneumoniae serovar 2	RP ≥ 1*
Actinobacillus pleuropneumoniae serovars 9, 11	RP ≥ 1*
Apx I toxoid	RP ≥ 1*
Apx II toxoid	RP ≥ 1*
Apx III toxoid	RP ≥ 1*
Erysipelothrix rhusiopathiae (3 strains - type 2, 1 strain - type 1)	RP ≥ 1*
Haemophilus parasuis (serovars 1, 5, 13)	RP ≥ 1*

TARGET SPECIES

Pigs (pregnant gilts, sows, piglets).

INDICATION

For active and passive immunization of piglets to prevent infection with erysipelas, reduce infection with *Actinobacillus pleuropneumoniae* and *Haemophilus parasuis* (Glässer's disease) and to reduce clinical symptoms caused by these pathogens.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 1 ml (piglets) or 2 ml (pregnant gilts and sows)
Application: intramuscularly preferably to the paraauricular area.
1) Piglets:
Primary vaccination with a dose of 1 ml from 6 weeks of age and revaccination after 3 weeks
2) Sows:
Initial vaccination with a dose 2 ml 6–5 weeks before farrowing and revaccination after 2–3 weeks, but not later than 2 weeks before farrowing
Booster revaccination with a dose 2 ml regularly 3–2 weeks before each subsequent farrowing
In the event that the period between two deliveries exceeds 6 months, it is necessary to perform again the initial vaccination and revaccination.

Onset of active immunity 21 days after revaccination and duration of active imunity 20 weeks after revaccination. Duration of passive immunity for the suckling period (i.e. 3 weeks).
For active immunization of sows to prevent infection with erysipelas onset of immunity 21 days after revaccination and duration of immunity 6 months after booster revaccination.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

10 ml, 50 ml, 100 ml and 250 ml in glass or plastic bottle.

Live combined vaccine against swine erysipelas and classical swine fever

ERYPESTEN

inj. sicc. ad us. vet.

COMPOSITION
Active substance:
Erysipelothrix rhusiopathiae - minimum 1×10^9
Virus of pestis in pigs, nonpatogenous – minimum 10^5 PD_{50}
Lyophilized culture of the vivid attenuated strain of erysipelas and nonpatogenous strain of classical swine fever in pigs.

TARGET SPECIES
Pigs.

INDICATION
For the basic imunization against erysipelas and pest. Pigs shall be vaccinated not early than at the age of 8–9 weeks.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application: subcutaneously, preferably to the paraauricular area.
The first vaccination: pigs over 8–9 weeks of age.
Breeding pigs:
Revaccination shall be carried out in pigs at the age of 5–6 month (before they are included in a breeding-stock).
Its onset against classical swine fever can be observed 3th day after the vaccination and the immunity is fully developed 7th day after the vaccination.
The vaccine assures the whole-life immunity against classical swine fever.
Its onset against erysipelas be observed 8th – 14th day after the vaccination and it lasts for 6 months. Nevertheless, in order to keep the immunity against erysipelas, the revaccination with the vaccine against erysipelas shall be carried out every 6 months.

WITHDRAWAL PERIOD
Meat – 21 days.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 18 months and the vaccine shall be consumed within 3 hours after being dissolved.
Note: The vaccine can be applied intradermally by means of a needless injector during the mass examination.
5 × concentrated vaccine shall be used in such cases.
The lyophilizate supplied in 20 ml vial (with 100 ml marking) shall be then diluted only in 20 ml of E diluent and 0.2 ml of vaccine shall be applied into the skin in auricle base.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
20 ml and 100 ml with Diluent E.

Live attenuated lyophilised vaccine against swine erysipelas from the age of 8 weeks

ERYSEN

inj. sicc. ad us. vet.

COMPOSITION
Active substance:
Erysipelothrix rhusiopathiae attenuatum – at least 1×10^7, culturing medium, lyophilizing medium, diluent A.

TARGET SPECIES
Pigs.

INDICATION
Immunization of pigs against swine erysipelas with a single vaccination dose only.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Subcutaneous: 2 ml
Lyophilizate dissolution:
For the subcutaneous application of the vaccine the lyophilizate is re-hydrated with the full volume of the enclosed Diluent A.
Intradermal: 0.1 ml or 0.2 ml (depending on the dissolution of the lyophilizate when intended for use in a needle-less applicator).
Lyophilizate dissolution:
For the intradermal application of the vaccine the lyophilizate is re-hydrated as follows:
- 20 ml packing (of the lyophilized constituent) diluted in 4 ml of Diluent A – the dose 0.2 ml i.d.
- 20 ml packing (of the lyophilized constituent) diluted in 2 ml of Diluent A – the dose 0.1 ml i.d.
- 100 ml packing (of the lyophilized constituent) diluted in 20 ml of Diluent A – the dose 0.2 ml i.d.
- 100 ml packing (of the lyophilized constituent) diluted in 10 ml of Diluent A – the dose 0.1 ml i.d.

1) Pigs intended for fattening:
Should be vaccinated at the age between 8 weeks and 9 weeks (animals weighing 15–20 kg of body weight). The vaccine protects animals for the whole fattening period.

2) Pigs intended for breeding:
Primary vaccination should be performed at the age of 8–9 weeks (animals weighing 15–20 kg of body weight) and revaccination at the age of 5–6 months.
The revaccination should be repeated always at the period of 6 months.
The immunity onset comes one day 8–14 following the vaccination and lasts for 6 months.

WITHDRAWAL PERIOD
Meat – 21 days.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 2 years and the vaccine shall be consumed within 3 hours after being dissolved.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
20 ml and 100 ml with Diluent A.

Inactivated vaccine against all form of swine erysipelas with a single vaccination dose only

ERYSIN SINGLE SHOT

emulsion for injection for pigs

COMPOSITION
Active substance:
Erysipelothrix rhusiopathiae inact. (3 strains – type 2, 1 strain – type 1) – min. 1×10^{10}, nutrimentum ad cultivationem, emulsio olei, formalin, merthiolate.

TARGET SPECIES
Pigs.

INDICATION
For immunization of pigs against all of forms porcine erysipelas including septicemic form too.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application: subcutaneously, preferably to the paraauricular area.
The first vaccination: pigs over 8 weeks of age.
Breeding pigs: another vaccination and revaccination always after 6 months.
Immunity is fully developed 21 days after the vaccination and persists for 6 months.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 18 months and after the first opening of the immediate packaging 10 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
10 ml, 20 ml, 50 ml, 100 ml in glass or plastic bottle.

Inactivated combined vaccine against intestinal coli infections in suckling piglets and all forms of swine erysipelas

KOLIERYSIN NEO

emulsion for injection for pigs

COMPOSITION
Active substance:
Escherichia coli inactivata (F4) RP ≥ 1
Escherichia coli inactivata (F5) RP ≥ 1
Escherichia coli inactivata (F6) RP ≥ 1
Escherichia coli inactivata (F41) RP ≥ 1
Erysipelothrix rhusiopathiae inact. RP ≥ 1
(3 strains – type 2,1 strain – type 1)

TARGET SPECIES
Gilts and pregnant sows.

INDICATION
For the protection against erysipelas in sows, and against enteric coli-infections in piglets.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application:intramuscularly preferably to the paraauricular area.

Basic vaccination:
Sows and gilts should be administered not later than 5 weeks before the expected farrowing with the single dose of the vaccine KOLIERYSIN NEO. In order to protect piglets against enteric coli infections (via the colostric and lactogenic way by suckling from the immunized mother) the revaccination with the single dose of the vaccine KOLISIN NEO shall be performed 10–14 days later.
This revaccination should be performed not later than 14 days before the expected delivery.
Revaccination:
Shall be repeated 2–3 weeks before the each next expected farrowing.
After being applied intramuscularly into the body of a vaccinated individual, the antigens contained in the vaccine activate the immunity system and antibody formation.
Piglets are protected against the illness for the period of suckling from an immunized mother. The onset of the immunity against erysipelas comes within 21 days following the vaccination and lasts for 6 months.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 18 months and after the first opening of the immediate packaging 10 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
5 ml, 10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml in glass or plastic bottle.

Inactivated vaccine against enteral-coli infections of piglets containing frequent enterotoxigenic prevalent serovars of E.coli with LT thermolabile enterotoxins production

KOLISIN NEO

emulsion for injection for pigs

COMPOSITION
Active substance:
Escherichia coli inactivata (F4) RP ≥ 1
Escherichia coli inactivata (F5) RP ≥ 1
Escherichia coli inactivata (F6) RP ≥ 1
Escherichia coli inactivata (F41) RP ≥ 1

TARGET SPECIES
Gilts and pregnant sows.

INDICATION
For the vaccination of the pregnant sows to be performed in breeding infected or threatened with enteric coli infections.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application:intramuscularly preferably to the paraauricular area.

Basic vaccination:
Should be applied to sows and gilts not later than 5 weeks before the expected farrowing and revaccination 2–3 weeks later.
Revaccination:
Administration of 1 injection 4 to 2 weeks prior to any other expected farrowing.
Two vaccinations shall be again performed if the interval between two subsequent deliveries exceeds 8 months
After being applied intramuscularly into the body of a vaccinated individual, the antigens contained in the vaccine activate the immunity system and antibody formation. Piglets are protected against the illness for the period of suckling from an immunized mother. Piglets are not vaccinated (their protection is ensured by the colostral and lactogenic way from the immunized mother).

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
5 ml, 10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml in glass or plastic bottle.

Inactivated combined vaccine against porcine parvovirosis and all form of swine erysipelas with possibility to use for primary vaccinations one dose only.

PARVOERYSIN

emulsion for injection for pigs

COMPOSITION
Active substance:
Parvovirus suis inact. ≥ 4 log2
Erysipelothrix rhusiopathiae inact. RP ≥ 1
(3 strains of type 2, 1 strain of type 1)
Specific antibodies protecting immunized animals against swine erysipelas, and the embryos and foetuses of the sows and gilts against parvovirosis throughout pregnancy are formed after the vaccination. In boars, high titres of antibodies prevent the replication of parvovirus in the reproductive organs, thus decreasing the risk of infection during mating or artificial insemination.

TARGET SPECIES
Pigs.

INDICATION
For the active immunization of pigs against parvovirosis and all forms of swine erysipelas including septicemic form too.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml.
Application: intramuscularly
1) Gilts and sows:
Primovaccination:
One vaccination dose 2–4 weeks before mating.
Additional regular vaccinations are always with one vaccination dose 2–4 weeks prior to mating.
2) Boars:
Primovaccination – one vaccination dose at least 2 weeks prior to mating.
To maintain immunity, revaccinate always with one vaccination dose within 6 months.
After primary vaccination, the titres of haemagglutination-inhibition antibodies show the increase. Their maximum level is detected on the 35th day, and the antibodies mentioned are protective for a period of 6 months.
Immunity against swine erysipelas is developed fully 21 days after vaccination and lasts for 6 months.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 18 months and after the first opening of the immediate packaging 10 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
10 ml, 20 ml, 50 ml, 100 ml in glass or plastic bottle.

Inactivated monovalent vaccine against porcine parvovirosis with possibility to use for primary vaccinations one dose only

PARVOSIN-OL

emulsion for injection for pigs

COMPOSITION
Active substance:
Parvovirus suis inact.
≥ 4 log2
Vaccination induces production of specific antibodies that protect embryos and foetuses of gilts and sows against parvovirosis for the whole pregnancy period.
In boars the high titres of antibodies prevent parvovirus replication in the genitals and reduce the risk of infection transmission during mating.

TARGET SPECIES
Pigs (gilts, sows, boars).

INDICATION
For preventive vaccination of sows, gilts and boars against porcine parvovirosis.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application: intramuscularly

1) Gilts and sows:
Primovaccination:
One vaccination dose 2–4 weeks before mating.
Additional regular vaccinations are always with one vaccination dose 2–4 weeks prior to mating.
2) Boars:
Primovaccination – one vaccination dose at least 2 weeks prior to mating.
To maintain immunity, revaccinate always with one vaccination dose within 6 months.
The titre of haemagglutination inhibition antibodies rises following primovaccination. The maximum level is determined on the 35th day and the antibodies persist for 6 months.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml in glass or plastic bottle.

Live vaccine against classical swine fever (CSF) for all categories of pigs.

PESTISEN-C inj. sicc. ad us. vet.

COMPOSITION
Active substance: Live attenuated swine pest virus (C strain-China) min. 100 PD_{50}, max. 1000 PD_{50}

TARGET SPECIES
Pigs.

INDICATION
The vaccine is intended for preventive vaccination of pigs against classical swine fever.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml
Application: subcutaneously, preferably to the paraauricular area.

1) Preventive vaccination:
It is used for the vaccination of healthy pigs intended for breeding and fattening.
In the large-scale breeding and fattening farms, all pigs shall be vaccinated consecutively in the relevant rounds. Fodder type shall not be changed during the vaccination period.
Pigs intended for fattening and coming from sows that were vaccinated with PESTISEN-C vaccine should be vaccinated – because of their colostral immunity – at the age of 8 weeks. Said single vaccination provides immunity for the whole fattening course.
Pigs intended for breeding (both sows and boars) coming from sows that were vaccinated with PESTISEN-C vaccine should also be vaccinated at the age of 8 weeks and re-vaccinated at the age of 6–8 months (but not later than 1 month before their putting).
Pigs coming from mothers that were not vaccinated against pest in pigs should be vaccinated in the same way.

2) Vaccination carried out in breeding affected or infected with CSF:
PESTISEN-C vaccine can be applied – with regard to the quick immunity onset – also in breeding that are at risk of being infected or are already infected with CSF in pigs. In this case, pigs that do not show any symptoms of CSF in pigs (without fever) should be vaccinated at the age of 1 week and above.
Piglets vaccinated at the age of 1–7 weeks should be revaccinated before they are included in the fattening group. Its onset against classical swine fever can be observed 3th day after the vaccination and the immunity is fully developed 7th day after the vaccination.
The vaccine assures the whole-life immunity against classical swine fever. Piglets coming from sows that were vaccinated with PESTISEN are protected for 5–7 weeks due to colostral immunity.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 18 months and the vaccine shall be consumed within 3 hours after being dissolved.

Note: The vaccine can be applied intradermally by means of a needless injector during the mass examination. 5x concentrated vaccine shall be used in such cases. The lyophilizate supplied in 20 ml vial (with 100 ml marking) shall be then diluted only in 20 ml of E diluent and 0.2 ml of vaccine shall be applied into the skin in auricle base.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
20 ml and 100 ml with Diluent E.

Inactivated subunit bacterin-toxoid vaccine against bacterial respiratory syndrome of pigs with the dose 1 ml only

POLYPLEUROSIN APX PLUS IM

emulsion for injection for pigs

COMPOSITION

Active substance:

Actinobacillus pleuropneumoniae serotype 9	RP> 1*
Actinobacillus pleuropneumoniae serotype 2	RP> 1*
Pasteurella multocida serotype A	RP> 1 *
Pasteurella multocida serotype D	RP> 1 *
Bordetella bronchiseptica	RP> 1*
Apx I toxoid	RP> 1*
Apx II toxoid	RP> 1*
Apx III toxoid	RP> 1*

TARGET SPECIES

Pigs.

INDICATION

For immunization of piglets, pregnant gilts and sows in healthy herds or suffering from pneumonia caused by: *Actinobacillus pleuropneumoniae, Pasteurella multocida, Bordetella bronchiseptica.*

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 1 ml

Application: intramuscularly, preferably to the paraauricular area.

1) Pigs:

Primary vaccination with a dose of 1 ml from 6 weeks of age and revaccination after 3 weeks

2) Pregnant gilts and sows:

Initial vaccination:

With a dose 1 ml 6–4 weeks before farrowing and revaccination after 2–3 weeks, but not later than 2 weeks before farrowing

Revaccination:

Administration of 1 injection 3 to 2 weeks prior to any other expected farrowing.

Newborn piglets from vaccinated sows receive passive protection against pneumonia by colostral immunity for 14–21 days.

Immunity is developed in 14 days after revaccination and persists for 6 months.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 18 months and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml in glass or plastic bottle.

Inactivated vaccine against porcine progressive atrophic rhinitis with dermonecrotoxical toxoid

RHINISIN DNT

emulsion for injection for pigs

COMPOSITION
Active substance:
Pasteurella multocida
type D – dermonecrotoxical toxoid min. 2 µg
Bordetella bronchiseptica – cell suspension inactivata
min. 10^{10} microorganisms
Pasteurella multocida – cell suspension inactivata
min. 10^{10} microorganisms

TARGET SPECIES
Pigs older than 6 monts

INDICATION
To vaccinate gilts and sows so that passive immunity against atrophic rhinitis can develop in newborn piglets.
The preparation is intended for prophylactic purposes.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME
Dosage: 2 ml.
Application: intramuscularly, preferably to the paraauricular area.

Basic vaccination:
Breed sows and gilts are vaccinated with one dose 8–6 weeks before farrowing and revaccination after 4 weeks. Further revaccination is carried out with one dose 3 to 2 weeks before each expected farrowing. If the period between the two subsequent farrowings exceeds 8 months, it is necessary to repeat the basic vaccination. Piglets of immunized sows are passively protected against atrophic rhinitis by the transfer of maternal antibodies with colostrum. The specific immunity protection develops between the 14th and 21st day after basic vaccination.

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package 18 months and after the first opening of the immediate packaging 24 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE
20 ml, 50 ml, 100 ml in glass bottle.

Inactivated unique vaccine against rotaviral and enteric coli-infections of piglets containing the most frequent enterotoxigenic prevalent serovars of *E. coli*

ROKOVAC NEO

emulsion for injection for pigs

COMPOSITION

Active substance:

Rotavirus suis inact. OSU 6	RP ≥ 1*
Escherichia coli inact. O101:K99 (F5)	RP ≥ 1*
Escherichia coli inact. O147:K88 (F4)	RP ≥ 1*
Escherichia coli inact. O149:K88 (F4)	RP ≥ 1*
Escherichia coli inact. K85:987P (F6)	RP ≥ 1*
Escherichia coli inact. O101:K99:F41 (F5, F41)	RP ≥ 1*

TARGET SPECIES

Pigs (pregnant sows and gilts)

INDICATION

For active immunisation of pregnant sows and gilts against rotaviral and enteral coliinfections, to induce colostral and lactogenous immunity to protect piglets untill weaning. Piglets are protected against antigens included in vaccine during sucking from vaccinated mother.

DOSAGE, ROUTE OF ADMINISTRATION AND VACCINATION SCHEME

Dosage: 2 ml

Application: intramuscularly preferably to the paraauricular area.

Basic vaccination:

Sows and gilts – administration of 2 injections within an interval of 2 to 4 weeks; the second injection at the latest 2 weeks prior to the expected farrowing.

Revaccination:

Administration of one injection 4 to 2 weeks prior to any other expected farrowing.

Vaccinated sows transfer colostral immunity to piglets, which are thereby protected against antigens contained in the vaccine for the period of sucking from the vaccinated mother.

SHELF LIFE

Shelf life of the veterinary medicinal product in intact package 2 years and after the first opening of the immediate packaging 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C). Do not freeze.

PACKAGE

10 ml, 50 ml, 100 ml, 250 ml in glass or plastic bottle.

Live vaccine against PRRS infection intended for all categories of pigs

NOVELTY 2017

BIOSUIS PRRS live

lyophilisate and solvent for suspension for injection

COMPOSITION
Per dose 2 ml (intramuscularly)
Active substance:
PRRS virus live, attenuated strain BIO 60, min. $10^{3.4}$ $TCID_{50}$, max. $10^{6.8}$ $TCID_{50}$ per dose.
Lyophilisate and diluent for injection suspension.

TARGET SPECIES
Pigs.

INDICATIONS
For active immunization of clinically healthy pigs in a PRRSV contaminated environment, to reduce viraemia caused by infection with European strains of PRRS virus. After vaccination specific antibodies that protect immunized animals against reproductive and respiratory disorders caused by European PRRS strains in pigs are created. An increase in titer of antibodies to protective levels occur within 4 weeks after vaccination.

USE DURING PREGNANCY, LACTATION OR LAY
Pregnancy: Seronegative gilts and sows that did not meet with the infection should not be vaccinated during pregnancy, because this can have negative effects (abortions and births of dead piglets). Vaccination during pregnancy is safe if carried out in gilts and sows that have been immunized against a European-type PRRS virus either vaccination or field infection.

Lactation: The vaccine can be used during lactation.

AMOUNTS TO BE ADMINISTERED AND ADMINISTRATION ROUTE
The vaccine dose is 2 ml intramuscularly.
Apply a single dose to pigs from the age of 2 weeks.
Fattening pigs: a single vaccination is sufficient for immunity until slaughter.
Breeding pigs: in gilts is recommended to (re) vaccination 4 weeks before mating. To achieve a uniform level of immunity booster is recommended at regular intervals, either before each additional pregnancy, or an entire breed every 4 months. Pregnant sows should be vaccinated only after exposure to European type PRRS virus.
It is recommended to vaccinate all pigs in the breeding of the earliest recommended age.
Maternal antibodies can interfere with response to vaccination.
The new classification, PRRS virus-free animals (eg. gilts in PRRS-negative herds) should be vaccinated before conception.

WITHDRAWAL PERIOD
Zero days.

SHELF LIFE
Shelf-life of the veterinary medicinal product as packaged for sale: 24 months.
Shelf-life after dilution or reconstitution according to directions: 3 hours.

STORAGE
Store in a refrigerator (2 °C – 8 °C)
Do not freeze. Protect from light.

PACKAGE
1 × 5 doses, 5 × 5 doses,
1 × 25 doses

HORMONES

8

LECIRELIN Bioveta 0.025 mg/ml
OESTROPHAN 0.25 mg/ml
OXYTOCIN BIO 5 IU/ml
REMOPHAN 75 µg/ml
SERGON 500 IU/ml
SERGON PG 400/200 IU

Hormonal product as a luteinizing releasing hormone (LHRH) analogue with prolonged effect

LECIRELIN Bioveta 0.025 mg/ml

solution for injection

COMPOSITION
Active substance:
Lecirelin 0.025 mg
Excipients:
Chlorobutanol hemihydrate 2.105 mg

TARGET SPECIES
Cows.

INDICATIONS FOR USE, SPECIFYING THE TARGET SPECIES
Making the date of ovulation more precise, estrus synchronization, improving the conception rate after insemination, treatment of irregular cycles.
Treatment of ovarian cysts.

USE DURING PREGNANCY AND LACTATION
Do not use during pregnancy.
The product can be used during lactation.

DOSAGE
Making the date of ovulation more precise, estrus synchronization, improving the conception rate after insemination, treatment of irregular cycles:
2 ml of the product, equivalent to 50 µg of the active substance.

Treatment of ovarian cysts:
4 ml of the product, equivalent to 100 µg of the active substance.

WITHDRAWAL PERIODS
Meat: Not applicable.
Milk: Not applicable.

SHELF LIFE
Shelf life of the veterinary medicinal product as packaged for sale: 2 years.
10 ml injection vial: Shelf life after first opening the immediate packaging: 28 days.
2 ml ampoule: The product is intended for immediate consumption after first opening.

STORAGE
Protect from light. Protect from frost.

PACKAGE
10 × 2 ml, 1 × 10 ml, 10 × 10 ml

Long time verified hormonal product. Substance contains cloprostenol with a analogous function as prostaglandin F_2 alfa. Good safety margin and influence to fertility.

OESTROPHAN 0.25 mg/ml

injection solution

COMPOSITION

Cloprostenolum 1 ml of solution contains *cloprostenolum (ut natrium)* 0.25 mg

INDICATION

Biotechnical

Cattle – synchronization and induction of estrus in heifers and cows;
Sows – induction of farrowing;
Mares – interruption of normal and pathological gestation (in the first half of gravidity)

Therapeutic

Functional disorders of ovaries, postpartum and post-service anestrus (in heifers: silent estrus, persisting diestrus, embryo abortion, lactation anestrus, termination of pseudopregnancy), postpuerperal chronical endometritis, pyometra, interruption of either normal or pathological pregnancy in the first half of pregnancy, combined therapy of follicular cysts, induction of parturition.

TARGET SPECIES

Cows, sows, mares.

DOSAGE

Synchronization of heat

Cattle: administer 2 ml of the product (500 µg of the active substance) twice, 10 days apart. The first dose of the product should be administered at any phase of the sexual cycle (in cows within a period of 40 to 60 days after calving). The second dose should be administered on day 11 after the first administration, with insemination being carried out on day 14 (72–76 hours after the second administration) irrespective of manifestations of estrus, and subsequent re-insemination (day 15).

Functional disorders of ovaries

Cattle: administer 2 ml of the product; insemination is to be performed after the first estrus. Follicular cysts are treated with a single dose of 2 ml, not earlier than on day 10 after administration of HCG or LHRH, and after a positive ovarian response has been ascertained. The estrus occurs on day 3 after Oestrophan administration.

Postpuerperal diseases of the uterus: Cattle: administer 2 ml of the product, repeated administration follows on day 11, insemination on day 14 and re-insemination on day 15.

Pregnancy interruption

Cattle: 2 ml of the product (further treatment according to the clinical condition);
Sows: 0.7 ml pro toto (0.175 mg of the active substance) should be administered starting from day 111 of pregnancy. The majority of cases of parturition induced occur within 40 hours after the administration, namely between 24 and 35 hours.
Mares: a single dose of 1.0 ml (0.250 mg of the active substance); on cycling mares

METHOD OF ADMINISTRATION

Cattle: Intramuscularly.
Sows, mares: Intramuscularly.

WITHDRAWAL PERIOD

Meat – 24 hours, milk – no withdrawal periods.

STORAGE

Store below 25 °C.
Protect from light!

SHELF LIFE

36 months, after first opening the 10 ml container: 28 days.

PACKAGE

10 × 2 ml, 1 × 10 ml.

Medicaments for effective management of the dystocia, puerperal complications and milk production disorders in target species

OXYTOCIN BIO 5 IU/ml

injection solution

COMPOSITION
1 ml of the product contains
oxytocinum 5.0 IU

INDICATION
To support delivery in case of primary and secondary depression of contractions and to accelerate the expulsive phase of delivery.
During the puerperal period: depression of uterine muscle contractility: To stimulate involution in case of placenta retention and exometra (the product is administered immediately after delivery or caesarotomy and two to four hours later), to remove the pathological contents of uterus, endometritis, pyometra.
Agalaxia in consequence of milk production disorder in all target species. To remove residual milk and toxic material from the udder after delivery and during the treatment of infectious mastitis in cows.

TARGET SPECIES
Cows, mares, sheep, goats, sows, bitches.

DOSAGE
Cows
Uterus inaction, milk ejection, mastitis, uterus involution: 20–40 IU (i.m. or s.c.), 2.5–10 IU (i.v.).
Mares
Uterus inaction: 20–40 IU (i.m. or s.c.), 2.5–10 IU (i.v.).
Placenta retention: 10–20 IU (i.m. or s.c.).
Milk ejection, uterus involution: 40 IU (i.m. or s.c.), 10 IU (i.v.)
Sheep, goats
Uterus inaction: 10 IU (i.m. or s.c.), 0.5–2.5 IU (i.v.).
Milk ejection, uterus involution: 10–20 IU (i.m. or s.c.), 0.5–2.5 IU (i.v.).
Sows
Uterus inaction, uterus involution, placenta retention, milk ejection: 10–30 IU (i.m. or s.c.), 0.5–2.5 IU (i.v.).
Bitches
Uterus inaction, uterus involution, placenta retention, milk ejection 2–10 IU (i.m. or s.c.), 0.5 IU (i.v.)

STORAGE
Keep out of the reach and sight of children. Store in a refrigerator (2 °C – 8 °C).Protect from frost.

SHELF LIFE
Shelf-life24 months, after first opening the container 28 days.

PACKAGE
1 × 10 ml, 5 × 10 ml, 10 × 10 ml, 1 × 20 ml, 5 × 20 ml, 10 × 20 ml, 1 × 50 ml, 12 × 50 ml, 24 × 50 ml.

Hormonal product intended for synchronizing of sexual cycle of donors and recipients in the programme of bovine early embryos transfers mainly

REMOPHAN 75 µg/ml

injection solution (ESTROPUR)

COMPOSITION

1 ml of injection solution contains + *Cloprostenolum natricum* 75 µg
Product´s active substance is (+) cloprostenol sodium salt. This substance is bioequivalent to F_2-alpha prostaglandin, which has a specific luteolytic effect.

TARGET SPECIES

Cows, heifers, sows.

INDICATIONS

Biotechnical

Cattle – synchronization and induction of estrus in heifers and cows and synchronizing of sexual cycle of donors and recipients in the programme of bovine early embryos transfer.
Sows – synchronization and induction of farrowing;

Therapeutic

Functional disorders of ovaries, postpartum and post-service anestrus, postpuerperal chronical endometritis, pyometra, interruption of either normal or pathological pregnancy in the first half of pregnancy, combined therapy of follicular cysts, induction of parturition.

DOSAGE

Cattle:
1) oestrum synchronizing – administer 2 ml of the product (0.15 mg of active substance). When oestrum synchronizing, first determine the corpus luteum (6th to 18th day of the cycle) and based on the developing oestrum symptoms, inseminate 70 to 120 hours after administration. If oestrum does not develop, the preparation may be administered again on the 11th day after the first treatment. In embryo donors, administer the 3rd day after the superovulation preparation start (morning dose 2 ml, evening dose 2 ml). When treating functional ovary disorders, inseminate at the first oestrum provoked by the preparation administration; if oestrum does not appear, it is possible to repeat the administration on the 11th day.
2) follicular cysts – at combined therapy administrate product on the 10th to 14th day after LHRH administration based on positive ovarian response detection.
When treating postpuerperal diseases of uterus, repeat the administration at intervals of 10 days, inseminate solely after the second administration.
Sows:
Administer (behind the ear) a one-shot dose of 1 ml of preparation (75 µg of active substance) from the 111th day of pregnancy. Most induced farrowings start between the 19th and 30th hour after administration.

METHOD OF ADMINISTRATION

Cattle: intramuscularly.
Sows, mares: intramuscularly.

WITHDRAWAL PERIODS

Meat – 24 hours, milk – 4 hours

SHELF LIFE

Shelf-life 2 years, after first opening 14 days.

STORAGE

Store in a dry place at the temperatures of 10 to 25 °C. Protect from light.

PACKAGE

10 × 2 ml, 10 × 4 ml, 1 × 10 ml, 5 × 10 ml, 5 × 20 ml.

Follicle Stimulating hormone product intended for females of all farming and domestic animals except for mares

SERGON 500 IU/ml

powder for preparation of injection solution with solvent

COMPOSITION
1 ml of injection solution contains
Gonadotrophinum sericum equinum – 500 IU
Serum gonadotropin stimulates ovaries, induces growth and ripening of follicles and controls creation of estrone hormone.

TARGET SPECIES
Cows, heifers, sows, gilts, sheep, goat, bitch, rabbit.

INDICATIONS
Anestrus, induction and synchronization of estrus.

DOSAGE
Cows, heifers: 1000–3000 IU
Sheep, goats: 500 IU (suitable immediately after removing of intra-vaginal tampons)
Sows: 500–1000 IU
– induction of cycle and increasing of the number of piglets per litter (1. – 2nd day after estrum)
– quiet estrus (10th day after piglet weaning)
Gilts:
– anestrus and quiet estrus (from 8–10 months of age)
– estrus induction (aged 6 months or 90 kg body weight)
Bitches: 250–500 IU
Rabbit: 25–50 IU (insemination 3rd and 5th day after application)

METHOD OF ADMINISTRATION
Intramuscularly or subcutaneously

WITHDRAWAL PERIOD(S)
Meat and milk not applicable.

SHELF LIFE
Shelf-life 2 years, after dilution or re-constitution as instructed: 24 hours.

STORAGE
Store in a refrigerator.
Protect from light.

PACKAGE
1 × 1000 IU +
1 × Dissolvent à 2 ml
5 × 1000 IU +
5 × Dissolvent à 2 ml
1 × 3000 IU +
1 × Dissolvent à 6 ml
5 × 3000 IU +
5 × Dissolvent à 6 ml
1 × 5000 IU +
1 × Dissolvent à 10 ml
5 × 5000 IU +
5 × Dissolvent à 10 ml

Follicle Stimulating and Luteinizing hormone product intended to inducing regular fertile estrus in sows and gilts

SERGON PG 400/200 IU

lyophilizate for solution for injection with solvent

COMPOSITION

1 ml of injection solution contains *Gonadotropinum sericum equinum* – 400 IU, *Gonadotropinum chorionicum* – 200 IU
The product is a lyophilized mixture of human chorionic gonadotropin (hCG) and pregnant mares' serum gonadotropin (PMSG).
Acting similarly to the follicle-stimulating hormone (FSH) and the luteinizing hormone (LH), the serum gonadotropin induces the growth of ovarial follicles.
The chorionic gonadotropin acts similarly to the luteinizing hormone and promotes ovulation and growth of the corpus luteus.
Combination of the hormones induces a fertile oestrous cycle in pigs.

TARGET SPECIES

Sows and gilts.

INDICATIONS

Anestrus, induction and synchronization of estrus in sows and gilts.

DOSAGE AND METHOD OF ADMINISTRATION

Transfer the content of the vial with the solvent to the vial with the lyophilized substance and dissolve. Apply one dose (2 ml) intramuscularly or subcutaneously behind the ear.

Application scheme:

Target species	Indication	Time of administration
Sow	Starting the cycle To increase the farrow Anestrus/subestrus	Day 0 to 2 after ablactation Day 0 to 2 after ablactation Roughly Day 10 after ablactation
Gilt	Anestrus/subestrus Induction of oestrus	At 8 to 10 months of age At 5.5 to 6.5 months of age or at a weight of 85 to 100 kg. Gilts can be inseminated during the first oestrus after administration. A more numerous farrow can be expected if the insemination was only performed during the second oestrus after administration.

Note: Oestrus will occur 3 to 6 days after application.

WITHDRAWAL PERIOD(S)

Meat and milk not applicable.

SHELF LIFE

Shelf-life 3 years, after dilution or re-constitution as instructed: 12 hours.

STORAGE

Store in a refrigerator.
Protect from light.

PACKAGE

5×1 dose + 5×2 ml of the diluents
10×1 dose + 10×2 ml of the diluents
5×5 doses + 5×10 ml of the diluent
5×10 doses + 5×20 ml of the diluent
6×20 doses + 6×40 ml of the diluent

ANTIMICROBIALS

9

AMOXICILLIN Bioveta 150 mg/ml LA
BIOVETA AMOXICILIN 100 mg/g
BIOVETA COLISTIN 1 200 000 IU/g
COTRIMAZIN BIOVETA
GAMMAVIT BIO
IVATYL TAR 180.000 IU/ml
STREPTONAMID

Amoxicillin injectable antibiotics with a broad spectrum of activity

AMOXICILLIN Bioveta 150 mg/ml LA

suspension for injection

COMPOSITION
Active substance:
Amoxicillinum (ut Amoxicillinum trihydricum) 150 mg
Excipients:
Benzylalcohol (E 1519) 9 mg
Butylhydroxytoluene (E 321) 0.2 mg

TARGET SPECIES
Cattle, pigs, dogs

INDICATIONS
Treatment of the disease caused by the bacteria sensitive to amoxicillin in cattle, pigs and dogs. Especially local, gastrointestinal, respiratory and urogenital infections are concerned.

DOSAGE
The usual dose is 10mg of amoxicillin per kg live body weight per day or 1ml per 15 kg live body weight per day. Route of administration: intramuscular

WITHDRAWAL PERIOD

Meats:	Cattle:	15 days.
	Pigs:	42 days.
Milk:		72 hours.

SHELF LIFE
Shelf-life of the veterinary medicinal product in an intact packaging for 2 years. Shelf life after the first opening of the immediate packaging: 28 days

STORAGE
Store at a temperate below 25 °C. Protect from light. Store in a dry place.

PACKAGE
100 ml, 250ml

Water-soluble antibiotic pulvis containing Amoxicillinum intended for pigs, poultry and calves

BIOVETA AMOXICILIN 100 mg/g

powder for oral solution

COMPOSITION
1 g of powder contains
Amoxicillinum (ut trihydricum) 100 mg
Antibiotic powder for preparation of oral solution.

TARGET SPECIES
Poultry, pigs, cattle – calves.

INDICATIONS
Infectious diseases caused by bacteria sensitive to amoxicillin, such as e.g. upper respiratory tract infection and infection of the lungs, postpartal infections, infection of the urogenital tract, hepatobilliary infection, salmonelosis, coli infections, etc. Amoxicilin is effective also during very low concentrations against bacteria from the group of *Streptococcus* (including *Streptococcus suis* type-2) *Staphylococcus* (including penicillinase resistant strains), *Corynebacterium, Clostridium, Bacillus, Erysipelothrix, Campylobacter, Pasteurella, Escherichia, Salmonella, Serpulina, Bordetella* and *Actinobacillus.*

DOSAGE
Oral administration in drinking water.
10 mg amoxicilin/1 kg of live weight and day
- 10 g of BIOVETA AMOXICILIN per 100 kg of live weight and day (administer separately in two doses) or
- 0.5–2 g of BIOVETA AMOXICILIN per 1 litre of drinking water for 5 days. In case of more serious infection, it is possible to double the daily dose on the first day.
Prepare the medicated drinking water fresh every day.

WITHDRAWAL PERIODS
Porcine meat for 3 days.
Calf meat for 7 days.
Poultry meat for 2 days.
Do not administer to layers, the eggs of which are intended for human consumption.

SHELF LIFE
Shelf-life in an intact package: 2 years.
Shelf life after reconstitution in drinking water according to instruction for use is 24 hours.

STORAGE
Store below 25 °C and keep in dry place.

PACKAGE
100 g, 500 g, 1 kg, 3 kg, 5 kg.

Water-soluble bactericide antibiotic pulvis containing Colistinum intended for pigs, domestic fowl and calves with high effect against G⁻ microorganisms

BIOVETA COLISTIN 1 200 000 IU/g

powder for oral solution

COMPOSITION
100 g of powder contains
Colistini sulphas 120 mg
Antibiotic powder for preparation of oral solution.

TARGET SPECIES
Piglets, calves, domestic fowl.

INDICATIONS
Prevention and treatment of gastrointestinal disorders in piglets, calves and domestic fowl caused by gram-negative bacteria (mainly *E. coli* and *Salmonella* spp.).

DOSAGE
BIOVETA COLISTIN is administered orally in drinking water or feed. In feed, it is possible to administer the preparation only individually, i.e. for individual animals. It cannot be used for preparation of medicated feed mixture for mass administration.

Treatment dose:
Calves, piglets: 5–8 g of the preparation per 100 kg of live weight daily (in two dose) for 3 days.
Domestic fowl: 5–8 g of the preparation per 10 l of drinking water for 3 days.

Preventive dose:
Half of the treatment dose.
Prepare the medicated drinking water fresh every day.

WITHDRAWAL PERIODS
Meat from piglets, calves and broilers: 2 days.
Do not use in laying hens, the eggs of which are intended for human consumption.

SHELF LIFE
Shelf-life in an intact package: 36 months.

STORAGE
Store below 25 °C and keep in dry place.

PACKAGE
100 g, 500 g, 3 kg, 5 kg, 10 kg, 15 kg, 25 kg in closed paper, plastic or metal covers.

The active substances have a broad bactericidal action against many G^+ and G^- aerobic bacteria and a large proportion of anaerobic bacteria

COTRIMAZIN BIOVETA

oral paste for horses

Sulfadiazinum, trimethoprimum

COMPOSITION

Active substances:
1 g of paste contains:

Sulfadiazinum	288.2 mg
Trimethoprimum	58.0 mg

Oral paste. White to light brown oral paste.

TARGET SPECIES

Horses.

INDICATIONS FOR USE, SPECIFYING THE TARGET SPECIES

Treatment of bacterial infections in horses (infections of the digestive tract – diarrhoea, respiratory tract infections – pneumonia, pleurisy, strangulation, wound infections, septicaemia, and systemic infections) caused by microorganisms sensitive to the combination of active substances:
Rhodococcus equi
Staphylococcus spp.
Streptococcus spp.
Escherichia coli

USE DURING PREGNANCY AND LACTATION

Administration of this combination of active substances during pregnancy, especially in the early stages, can lead to congenital defects in foals. Use of the product during pregnancy should be based on a consideration of risks versus benefits by the attending veterinarian. Sulfonamides pass into maternal milk and may have a negative effect on foals suckling from sulfonamide treated mares. Use of the product during lactation should be based on a consideration of risks versus benefits by the attending veterinarian.

SHELF LIFE

Shelf life of the veterinary medicinal product as packaged for sale: 2 years. Shelf life after first opening of immediate packaging: 6 months.

SPECIAL PRECAUTIONS FOR STORAGE

Do not refrigerate or freeze. Store in the original packaging.

PACKAGE SIZES

1 × 54 g, 5 × 54 g

Water-soluble pulvis containing antibiotic, vitamins and unique bovine immunoglobulins

GAMMAVIT BIO

powder for oral suspension

COMPOSITION

1 bag 25 g contains:

Tetracyclini hydrochloridum	750 mg
Immunoglobulinum bovinum	500 mg
Tocoferoli alfa acetas	30 mg
Retinoli acetas	200.000 IU
Colecalciferolum	15.000 IU

TARGET SPECIES

Newborn calves.

INDICATIONS

The product is administered in breeds with mortality in calves of neonatal diarrhoea caused by *Escherichia coli* in the first days of life. Prior to the administration, the situation in the breed should be well-known, i.e. the presence of disease caused by microorganisms sensitive to the active ingredient should be confirmed in the herd.

DOSAGE

Oral administration.

A dose is 25 g (1 bag) per calf.

Before administration, suspend the dose in about 200 ml of tea or water heated to a temperature of 25–30 °C to obtain a homogeneous suspension without sediment. This homogeneous medicated suspension should be consumed immediately.

Administer the product immediately after birth, not later than 24 hours after birth, and repeat the treatment with the same dose on the second day, or on the second and third day.

Use immediately after dissolving!

WITHDRAWAL PERIODS

Meat – 14 days.

SHELF LIFE

Shelf-life in an intact package: 1 year.

STORAGE

Store below 25 °C and keep in dry place and protect for light.

PACKAGE

1 × 25 g in multi-layered PE/Al/paper bag,
10 x 25 g.

Injection antibiotic for treatment of infectious diseases of respiratory, gastrointestinal, urogenital tracts, derm and tissue due to bacteria sensitive to tylosin

IVATYL TAR 180 000 IU/ml

solution for injection

COMPOSITION
1 ml of injection solution contains *Tylosinum (ut Tylosini tartras)* 180,000 IU

TARGET SPECIES
Cattle, pig.

INDICATIONS
Treatment of respiratory, gastrointestinal and urogenital tract infections, skin infections and infections of soft tissue caused by bacteria sensitive to tylosine. Tylosine in a form of solution for injection is a macrolide antibiotic with a bacteriostatic effect against G^+ bacteria, some spirochetes, G^- anaerobic bacteria and mainly against mycoplasma. Tylosine demonstrates an obvious in vitro activity against mycoplasma and ureaplasma in pigs *(M. hyopneumoniae, M. hyorhinis, M. hyosynoviae, Ureaplasma* spp.*)*, in cattle *(M. bovis, M. mycoides)*, in dogs *(M. canis)* and most mycoplasma present in poultry. Against pathogens causing mastitis in cattle (*Str. agalactiae* and *Str.uberis* and *Staph. aureus*). Tylosine activity against *Serpulina hyodysenteriae* and *Streptococcus suis* in pigs is fluctuating. Also some G^- anaerobes *(B. nodosus, F. necrophorum)* are sensitive to tylosine. Tylosine is active also against *Campylobacter coli, Bacteroides* spp., *Clostridium welchii* type A and *Erysipelothrix rhusiopathie*. G^- pathogens present in the respiratory tract, such as e.g. *Pasteurella multocida, Actinobacillus pleuropneumonia* and *Bordetella* spp. are slightly sensitive or resistant. G^- enterobacteriae (*E. coli, Salmonella* spp., *Proteus* spp. and *Pseudomonas* spp.) are resistant. Reduced sensitivity was also reported in *Serpulina hyodysenteriae, Streptococcus suis* and *Staphylococcus aures* in pigs and *Mycoplasma gallisepticum* in poultry.

DOSAGE
In ruminants 1 time daily for 5–7 days, in pigs 1 time daily for up to 5 days.
If necessary, the daily dose may be administered divided to 12 hourly intervals.
Adult cattle: 30 ml/400 kg of body weight.
Calves: 3 ml/40 kg of body weight.
Adult pigs: 3 ml/40 kg of body weight.
Piglets: 0.75 ml/10 kg of body weight.

METHOD OF ADMINISTRATION
Intramuscularly.

WITHDRAWAL PERIODS
Meat: cattle: 28 days, pigs: 21 days.
Milk: 9 milking.

SHELF LIFE
Shelf-life 2 years, after first opening of the immediate packaging: 28 days.

STORAGE
Store at temperature below 25 °C. Keep the vial in a box, protected against light. Keep the product in a refrigerator after first opening (2 °C – 8 °C).

PACKAGE
100 ml and 250 ml in glass vial or plastic HDPE bottles.

Water-soluble combined antibiotic pulvis containing Streptomycinum and Phthalylsulfathiazolum intended for calves, dogs and horses

STREPTONAMID

peroral powder

COMPOSITION
1 bag (2.8 g) contains:
Active substances:
Streptomycini sulfas 1 000 000 IU
Phthalylsulfathiazolum 1.0 g

TARGET SPECIES
Horses, cattle-calves, dogs.

INDICATIONS FOR USE,SPECIFYING THE TARGET SPECIES
Treatment of infectious diseases of the digestive tract caused by bacteria sensitive to the active substances contained in the product, diarrhoea and dysentery in calves, peroral treatment after an initial injection of streptomycin.

DOSAGE
Horse:
2–3 bags twice a day for 3 days
Calf, foal:
1 bag twice a day for 4–5 days
Dog:
1/2–1 bag twice a day
for 4–5 days

Maximum daily dose and maximum overall dose
Daily dose:
Horse –
Streptomycini sulfas
6 000 000 IU
Phthalylsulfathiazolum 6 g
Calf, foal –
Streptomycini sulfas
2 000 000 IU
Phthalylsulfathiazolum 2 g
Dog –
Streptomycini sulfas
1 000 000 IU – 2 000 000 IU
Phthalylsulfathiazolum 1 g – 2 g

Maximum overall dose:
Horse –
Streptomycini sulfas
18 000 000 IU
Phthalylsulfathiazolum 18 g
Calf, foal –
Streptomycini sulfas
10 000 000 IU
Phthalylsulfathiazolum 10 g
Dog –
Streptomycini sulfas
5 000 000 IU – 10 000 000 IU
Phthalylsulfathiazolum 5 g – 10 g

Method of administration – perorally, in water or feed. To be administered individually!
The product is mixed with a small amount of feed or water before feeding. In case of total inappetence, a dose may be applied in a bolus or electuary form.

WITHDRAWAL PERIOD(S)
Calf meat – 15 days. Do not use in horses the meat of which is intended for human consumption.

SHELF LIFE
Shelf-life of the veterinary medicinal product as packaged for sale: 2 years.
Use immediately after dissolving in water or mixing in feed!

SPECIAL PRECAUTIONS FOR STORAGE
Keep at a temperature not exceeding 25 °C.
Store in a dry place.
Protect from light.

PACKAGE
5 × 2.8 g.

ANTIPARASITICS

Antiparasitic CANISSHAMPOO
BIO KILL 2.5 mg/ml
BIOMEC 10 mg/ml
BLUE repellent
CANIVERM forte
CANIVERM mite
CANIVERM oral paste
EQUIMOXIN 18.92 mg/g
EQUISTRONG 400 mg/g
EQUIVERM Oral Paste
ESB$_3$ Bio 300 mg/g
FIPRON 50 mg spot-on solution for cats
FIPRON 67 mg spot-on solution for dogs S
FIPRON 134 mg spot-on solution for dogs M
FIPRON 268 mg spot-on solution for dogs L
FIPRON 402 mg spot-on solution for dogs XL
FIPRON 2.5 mg/ml spray
GREEN repellent
SULFADIMIDIN BIOVETA 20 g
TOP SPOT ON STRONGER 16.25 g
TOP SPOT ON STRONGER 650 mg
TOP SPOT ON DOG S
TOP SPOT ON DOG M
TOP SPOT ON DOG L

10

Preparation containing permethrin with excellent antiparasitic and repellent effects

Antiparasitic CANISSHAMPOO

Antiparasitic shampoo with insecticide formula against fleas, lice and ticks

COMPOSITION

Permethrinum 0.2%, Aqua, Sodium Laureth Sulfate + Cocamide DEA, Cocamide DEA, Sodium Chloride, Perfume, Piperonyli butoxidum 0.5%, Color, Citric acid, 2-bromo-2-nitropropane-1,3 diol.

Particularly fine and soft antiparasitic shampoo designed for hair care of all dog categories and breeds. This effective antiparasitic substance infallibly destroys fleas, lice and ticks. Its composition makes hair easy to comb and keeps it fine and soft for a long time.

INSTRUCTION FOR USE

Rub the shampoo gradually into the dog's wet hair, let work for a while, rinse and repeat the procedure. Then wipe the dog dry and brush its hair. Protect dog's eyes, ears and muzzle. In the case of eye, ear or nose internal contact, irrigate with large quantities of water.

WARNING

In the event of a massive attack of parasites, apply the formulation the next day again. At extensive invasion of fleas, a decontamination of the environment will be necessary.

SPECIAL STORAGE PRECAUTION

Keep at temperatures under 25 °C, do not freeze.
Keep out of the reach of children.
Only for animals.

SHELF LIFE

24 months.

PACKAGE

200 ml.

Preparations containing permethrin have excellent antiparasitic and repellent effects

BIO KILL 2.5 mg/ml

cutaneous spray

COMPOSITION
1 ml of the product contains permethrinum 2.5 mg

Cutaneous spray. White milky emulsion.

TARGET SPECIES
Dogs, guinea pigs, hamsters, exotic birds.

INDICATIONS
The product is used against ectoparasites (fleas, lice, ticks, mites) in dogs, guinea-pigs, hamsters and exotic birds, against insects (ants, flies, spiders) and for disinfection of pens and nests.

Sanitation of environment:
BIO KILL 2.5 mg/ml spray is also used to prevent infestation with the aforementioned species.

DOSAGE
Animals - apply the preparation against the direction of hair and feather until the skin (feather) is wet. Long-hair animals should be brushed simultaneously.
Posology: 10 mg permethrin (i.e. 4 ml of the preparation) per 1 kg of animal weight, thus:

20 puffs of a 100-ml package per 1 kg of animal body weight,
4 puffs of a 500-ml package per 1 kg of animal body weight.

Sanitation of environment – spray cages, kennels, stalls and stables until wet with about 25 ml/m^2 (125 puffs of a 100-ml package or 25 puffs of a 500 ml package).
If needed, repeat spraying after 1–2 weeks.

SHELF LIFE
24 months.

STORAGE
Store below 25 °C.

PACKAGE
100 ml, 500 ml, 200 ml.

Highly effective endectocide for parenteral use in animals

BIOMEC 10 mg/ml

injection solution

COMPOSITION
Ivermectinum 10 mg in 1 ml
Injection solution. Clear colourless or yellowish fluid.

TARGET SPECIES
Cattle, sheep, pig.

INDICATION
Preparation is indicated for effective therapy and to prevent spread of the most common parasitary diseases.

DOSAGE
Cattle:
Recommended dose is 0.2 mg ivermectin per kg live weight (corresponding to 1 ml of the product per 50 kg live weight). Administer the product subcutaneously into loose skin in front of or behind the shoulder blade.
Sheep:
Recommended dose is 0.2 mg ivermectin per kg live weight (corresponding to 0.5 ml of the product per 25 kg live weight). Administer the product subcutaneously into the loose skin between the shoulders.
If treating the animals against psoroptic mange, repeat the treatment in 7 days.
Pig:
Recommended dose is 0.3 mg ivermectin per kg live weight (corresponding to 1 ml of the product per 33 kg live weight). The product must be administered subcutaneously, in the neck area, at the recommended dose.

WITHDRAWAL PERIOD
Sheep, pigs: meat: 28 days
Cattle: meat: 49 days,
milk: Animals producing milk for human consumption should not be treated with the product during lactation or 28 days before expected parturition.

SHELF LIFE
5 years, after the first opening of the immediate packaging: 28 days.

STORAGE
Store at a temperature below 25 °C. Protect from light. Keep out of the reach and sight of children.
The product is strongly toxic for aquatic organisms. Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements.

PACKAGE
20 ml, 50 ml, 100 ml, 250 ml, 500 ml.

A unique combination of highly effective repellent substances

Suitable for daily use

Effective against biting insects including gnats, mosquitoes, midges and horseflies

Long-term effect

BLUE repellent

applied to horses

COMPOSITION

Active substances: 21.7 g/100 g DEET; 10.3 g/100 g ethyl butylacetylaminopropionate (IR 3535); 0.5 g/100 g pyrethrins and pyrethroids; 0.1 g/100 g geraniol in unique combination.

Excipients: Citronella oil, lavender oil, peppermint oil, eucalypt oil, isopropyl myristate, copovidone, benzyl alcohol, denatured ethanol

Instructions for use: Spray the product evenly from a distance of 20 to 30 cm to the dry and clean hair of the horse! The product may also be applied as a coating. Always apply the product to the head of the horse as a coating using a clean and dry cloth or sponge. Avoid applying the product to the eyes, nostrils and mouth of the horse or to injured sites. Repeat the application as needed. Multiple applications per day are recommended in periods of high activity of insects. Always read the label and product information before use. Using safety glasses or other eye protection is recommended during application. Wearing protective gloves is recommended when the product is applied as a coating. Use biocides safely. The product can corrode some plastics and synthetic fabrics.

STORAGE

Keep in original tightly sealed containers in a ventilated place at a temperature below 30 °C. Do not expose to direct sunlight.

DANGER

H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. P101 If medical advice is needed, have product container or label at hand. P102 Keep out of the reach of children. P103 Read label before use. P210 Keep away from heat/sparks/open flames/hot surfaces and other sources of ignition. – No smoking. P262 Do not get in eyes, on skin, or on clothing. P273 Avoid release to the environment. First aid measures: In case of inhalation of vapours provide the victim with enough fresh air. SKIN CONTACT: Wash with plenty of water and soap. SKIN IRRITATION OF RASH: Seek medical advice/treatment. EYE CONTACT: Rinse carefully with water for several minutes. Take out the contact lenses if used and if they can be taken out easily. Continue rinsing. If eye irritation persists: Seek medical advice/treatment. INGESTION: Rinse mouth with water, drink plenty of water. If you feel unwell, seek medical advice.

PACKAGE

750 ml

Caniverm guarantees sufficient efficacy against helminthosis of the gastrointestinal tract in dogs and cats

CANIVERM forte

tablets

Antiparasitic agent against roundworms and tapeworms

COMPOSITION

1 tablet – 0.7 g:

Fenbendazolum	150 mg
Pyranteli embonas	144 mg
Praziquantelum	50 mg

Tablets. Pale yellow tablets.

TARGET SPECIES

Dogs, cats. Felines and canines.

INDICATION

Diseases caused by ascarids, tapeworms in dogs, cats, felines and canines. *(Toxocara canis, Toxocara cati, Toxascaris leonina, Uncinaria stenocephala, Ancylostoma caninum, Trichuris vuplis, Echinoccus granulosus, Echinocccus multilocularis, Dipylidium caninum, Taenia* spp., *Multiceps multiceps, Mesocestoides* spp.*)*.

DOSAGE

Puppies, small canine and feline breeds:

– 1/2 tablets 0.7 g per 2–5 kg of live weight

Medium canine breeds:

– 1 tablet 0.7 g per 5–10 kg of live weight

Large canine breeds and big beasts:

– 1 tablet 0.7 g per started 10 kg of live weight

Route of administration – oral. Tablets may be administered separately or wrapped in a piece of food.Do not administer together with dairy food. The dose should be administered in a single application.

For beasts (Felines and Canidae), zoological gardens, circuses, etc. are recommended to mix crushed tablets according to the animal weight in meat balls; these balls are to be placed in the cage before morning feeding in the number corresponding to the number of animals.

In puppies, the preparation is recommended to be administered from the week 3 to week 12 of age by a single application in an interval of 3 weeks and than regularly every 3 months.

SHELF LIFE

24 months.

STORAGE

Store below 25 °C. Keep in dry place. Protect from light.

PACKAGE

2 tablets; 6 tablets; 100 tablets.

Small tablets – accurate dosing in puppies and kittens

CANIVERM mite

tablets

Antiparasitic agent against roundworms and tapeworms

COMPOSITION

1 tablet – 0.175 g
Active ingredient(s):

Fenbendazolum	37.5 mg
Pyranteli embonas	36.0 mg
Praziquantelum	12.5 mg

Tablet, pale yellow tablets.

TARGET SPECIES

Dogs, cats. Felines and canines.

INDICATION

Diseases caused by ascarids, tapeworms in dogs, cats, felines and canines. *(Toxocara canis, Toxocara cati, Toxascaris leonina, Uncinaria stenocephala, Ancylostoma caninum, Trichuris vuplis, Echinoccus granulosus, Echinocccus multilocularis, Dipylidium caninum, Taenia* spp., *Multiceps multiceps, Mesocestoides* spp.).

POSOLOGY AND METHOD OF ADMINISTRATION

Puppies, small canine and feline breeds:

– 1 tablet 0.175 g per 0.5–2 kg of live weight
– 2 tablets 0.175 g per 2–5 kg of live weight.

Route of administration – oral. Tablets may be administered separately or wrapped in a piece of food. Do not administer together with dairy food.
The dose should be administered in a single application.
For beasts (Felines and Canidae), zoological gardens, circuses, etc. are recommended to mix crushed tablets according to the animal weight in meat balls; these balls are to be placed in the cage before morning feeding in the number corresponding to the number of animals.

In puppies, the preparation is recommended to be administered from the week 3 to week 12 of age by a single application in an interval of 3 weeks and than regularly every 3 months.

SHELF LIFE

24 months.

STORAGE

Store below 25 °C, keep in dry place, protect from light.

PACKAGE

2 tablets; 6 tablets; 100 tablets

The antiparasitic product contains three active substances, the combination of these substances increases efficacy of paste with maintaining of maximum safety

CANIVERM

oral paste

COMPOSITION

Active substances in 1 ml of paste:

Fenbendazolum	75 mg
Pyranteli embonas	72 mg
Praziquantelum	25 mg

Oral paste. Yellow paste.

TARGET SPECIES

Dogs and cats.

INDICATIONS

Diseases caused by helminths in dogs and cats *(Toxocara canis, Toxocara cati, Toxascaris leonina, Uncinaria stenocephala, Ancylostoma caninum, Trichuris vulpis, Echinococcus granulosus, Echinococcus multilocularis, Dipylidium caninum, Taenia* spp., *Multiceps multiceps, Mesocestoides* spp.*)*.

DOSAGE

Oral administration.

The recommended dose is 15 mg of fenbendazole, 14.4 mg of pyrantel embonate and 5 mg of praziquantel per kilogram of animal body weight, which corresponds to 1 ml of paste per 5 kg of animal body weight.

Cat:

- 0.5 ml of paste per 0.5–2 kg of body weight
- 1 ml of paste per 2.1–5 kg of body weight

Dog:

- 0.5 ml of paste per 0.5–2 kg of body weight
- 1 ml of paste per 2.1–5 kg of body weight
- then 1 ml of paste per each 5 kg of body weight

At puppies, the preparation is recommended to be administered from the week 3 to week 12 of age by a single application in an interval of 3 weeks and then regularly every 3 months.

SHELF LIFE

18 months, after first opening the immediate packaging 6 months.

STORAGE

Keep out of the reach of children. This veterinary medicinal product does not require any special storage conditions.

PACKAGE

1 × 4 ml, 1 × 10 ml

The highly effective product containing moxidectin induces a consistent efficacy against small strongylidae for a two-week period

EQUIMOXIN 18.92 mg/g

oral gel for horses

Moxidectinum

COMPOSITION
1 gram of gel contains:
Active substance:
Moxidectinum 18.92 mg
Translucent, clear to yellow oral gel.

TARGET SPECIES
Not food-producing horses.

INDICATION(S)
Infestation with parasites hypersensitive to moxidectin:
Big strongylidae: *Strongylus vulgaris* (adults and arterial stages), *Strongylus edentatus* (adults and visceral stages), *Triodontophorus brevicauda* (adults), *Triodontophorus serratus* (adults), *Triodontophorus tenuicollis* (adults)
Small strongylidae (adults and intraluminal larval stages): *Cyathostomum* spp., *Cylicocyclus* spp., *Cylicostephanus* spp., *Cylicodontophorus* spp., *Gyalocephalus* spp.
Roundworms: *Parascaris equorum* (adults and larval stages)
Other species: *Oxyuris equi* (adults and larval stages)
Habronema muscae (adults)
Gasterophilus intestinalis (L2, L3)
Gasterophilus nasalis (L2, L3)
Strongyloides westeri (adults)
Trichostrongylus axei

The product induces a consistent efficacy against small strongylidae for a two-week period.
Excretion of small strongylidae eggs is suppressed for 90 days.

The product is effective against (developing) intramucosal stages (L4) of small strongylidae.
Within 8 weeks after the treatment early (hypobiotic) L3 stages of small strongylidae are eliminated.

DOSAGE
A single-dose oral administration.
The recommended dose is 0.4 mg of moxidectin/kg per body weight, which equals to 1.056 g of product/50 kg bw.
One part of a piston scale on the applicator equals to the recommended dose of 50 kg per bw of a horse. The content of one applicator is intended for a horse weighing 700 kg of bw.
For accurate dosage it is recommended to determine the animal's weight via a tape measure. The applicator needs to be adjusted to the calculated dose by setting the ring on the piston marker.

WITHDRAWAL PERIOD
Do not use in horses whose meat or milk is intended for human consumption.
The horse must be declared not for food production.

STORAGE
Keep out of the reach of children.
Do not freeze. Store in the original package to protect the product from light. Do not use after its expiry date stated on the label and the carton.
Use during pregnancy, lactation
The product can be used during pregnancy or lactation.

SHELF LIFE
24 months, after first opening the immediate packaging: 6 months

PACKAGE
1 × 14.8 g, 10 × 14.8 g

The paste is safe for the stallion, pregnant and lactating mares and suckling foals

EQUISTRONG 400 mg/g

oral paste for horses

COMPOSITION
1 g of the paste contains *pyranteli embonas* – 400 mg
Oral light yellow paste.
For horses.

INDICATIONS
Suppression and treatment of infections caused by adult small and large strongylides, pinworms, roundworms and tapeworms in horses.
Pyrantel embonate is a broad-spectrum anthelmintic which is efficacious against:
large strongyles: *Strongylus vulgaris, S. edentatus, S. equinus*
small strongyles: *Trichonema* spp. *(Cyathostomes)*, *Triodontophorus* spp.
pinworms *Oxyuris equi*
roundworms: *Parascaris equorum*
tapeworms: *Anoplocephala perfoliata*

DOSAGE
One applicator contains 11.4 g of pyrantel embonate in 28.5 g of peroral paste.
Recommended dose is 19 mg of pyrantel embonate per kg live weight, or 4.75 g of the paste per 100 kg live weight. One scale division shows the dose per 100 kg live weight.
Dosing regimen:
– Foals (1–8 months age): 1 dose (4.75 g of the paste) per 100 kg live weight every 4 weeks.
– Horses (more than 8 months age): 1 dose (4.75 g of the paste) per 100 kg live weight every 6–8 weeks. Every 4–6 weeks during the grazing season. When transferring the horse to grazing following winter stabling, always administer 1 dose of the paste 3–4 days before putting the animal out to pasture.
– Nursing mares: It has been shown that strongyle infestation in sucklings during the grazing season can be reduced by using "clean" pastures (transfer of the horses or not grazing down by horses previous year), by administering the product to nursing mares 3–4 days before transfer and afterwards repeatedly every 2–4 weeks till the end of autumn. The ideal pattern is to put the mares with the foals out to "clean" pastures or, if this is not possible, postpone their transfer to June.

SUPPRESSION AND TREATMENT OF ANOPLOCEPHALOSIS
Recommended dose is 38 mg of pyrantel embonate per kg live weight, or 9.5 g of the paste per 100 kg live weight. Two scale divisions show the dose per 100 kg live weight.
Repeat application in 6 weeks if necessary.

SHELF LIFE
24 months.

STORAGE
This veterinary medicinal product does not require any special storage conditions. Store in a dry place.

PACKAGE
1 × 28.5 g (1 applicator)
10 × 28.5 g (10 applicators)

For the effective rotational deworming programme

EQUIVERM

oral paste for horses

COMPOSITION
1 ml of the paste contains
ivermectinum 20 mg
praziquantelum 100 mg
Oral paste. Fine olive green paste.
For horses

INDICATION
Treatment of parasitic diseases caused by the most common species of helminths. Treatment of bots.

DOSAGE
Oral administration.
The recommended dose is 200 µg of ivermectin and 1 mg of praziquantel per kilogram of animal body weight, which corresponds to a single dose of 1 ml of the paste per 100 kg of animal body weight.
The body weight of a horse and dosage should be determined precisely before starting treatment. The contents of one applicator will be sufficient for treatment of a horse weighing up to 700 kg. The applicator is calibrated by 100 kg of weight.
The applicator should be adjusted to the calculated dose by setting the ring on a respective piston position.
Hold the piston of applicator, turn the grooved dosing ring on the piston so that the bottom edge of the ring is aligned with the mark of the desired weight. Make sure that the horse has no feed residues in its mouth. Remove the cap from the applicator, insert it into the horse's mouth and apply the paste to the root of the tongue. After application lift the horse's head immediately for a few seconds and make sure that the horse has swallowed the dose.
Antiparasitic programme
In order to achieve an adequate level of prevention against parasitic infestation, it is necessary to provide veterinary consultancy on appropriate dosing and zoohygienic conditions.

SHELF LIFE
Shelf-life of the veterinary medicinal product as packaged for sale: 2 years, after first opening the immediate packaging: 6 months.

STORAGE
Store below 25 °C.
Store in a tightly closed applicator.
After use, replace the cap again.

PACKAGE
1 × 7 ml, 10 × 7 ml.

Sulfaclozin contained in the powder interferes with the development cycle of coccidia and prevents their multiplication

ESB3 Bio 300 mg/g

powder for oral solution Sulfaclozinum

COMPOSITION

1 gram of product contains
sulfaclozinum natricum monohydricum 300 mg
Powder for oral solution.
Off-white to yellowish crystalline powder.

INDICATION

Coccidiosis due to infection with *E. tenella, E. necatrix, E. acervulina, E. brunetti, E. maxima, E. mitis-mivati, E. praecox, E. adenoides, E. meleagrimitis.*
Bacterial disease in poultry and rabbits due to infection with *Salmonella gallinarum, Pasteurella multocida.* Moreover, *Coryza contagiosa,* necrotic enteritis in poultry.

TARGET SPECIES

Broilers and breeding chickens, turkeys, rabbits.

DOSAGE

Domestic fowl and turkeys:
1 g of the product per 1 litre of water for 3 days.
Rabbits: 2 g of the product per 1 litre of drinking water for 3 days, then skip the medication for two days and continue the therapy with the same dose for 3 days.
The product is applied to drinking water, a fresh solution is prepared daily. Treated animals should not have access to another source of drinking water. If water intake is higher than the calculated volume, non-medicated drinking water should be administered for the rest of a day. There is no need to change the feeding regime.
The 3-day treatment can be replaced by the product application on days 1, 3 and 5 (or even 7 and 9), or for example on days 1, 2, 5, or even 6 and 9. In the flocks where coccidiosis occurs only from time to time, a preventive 2 or 3-day administration is recommended in weeks 3 and 5 of age.
The laying hens, whose eggs are not intended for human consumption, are treated at the onset of lay.

WITHDRAWAL PERIOD

Domestic fowl: meat: 16 days.
Turkey: meat: 28 days.
Rabbit: meat: 15 days.
Do not use in layers producing eggs for human consumption.

SHELF LIFE

36 months, after first opening the immediate packaging: 3 weeks, after reconstitution in drinking water: 24 hours.

STORAGE

Keep out of the reach of children. Store below 25 °C. Protect from light. Keep in a dry room.

PACKAGE

5 × 10 g, 250 g, 1 kg, 5 kg.

Fipronil as an acaricide acts on salivary glands of ticks, thereby disabling suction on an animal

FIPRON 50 mg spot-on

solution for cats

COMPOSITION
1 tube (0.5 ml) contains
fipronil 50 mg
Spot-on solution.
Clear, yellow to yellow-green solution.

TARGET SPECIES
Cats.

INDICATION
Treatment and prevention of flea infestation *(Ctenocephalides felis)* and related flea allergy dermatitis (FAD) in cats. Treatment and prevention of infestation by ticks (*Ixodes* spp.) and lice *(Felicola subrostratus)* in cats.

DOSAGE
For lack of data the minimum time between two applications is 4 weeks.
Method of administration: spot-on use.
Dosage:
Apply 1 tube of 0.5 ml of the skin between the shoulder blades. One dose ensures protection against flea infestation for up to 5 weeks. The product is effective against ticks for 3 to 4 weeks.

SHELF LIFE
24 months, use immediately after opening the bag.

STORAGE
This veterinary medicinal product does not require any special temperature storage conditions. Store in the original container in order to protect from light. Store in a dry place.

PACKAGE
1, 3 or 25 single-dose tubes.

It can be applied to puppies, kittens, pregnant and lactating female dogs or cats

FIPRON 67 mg spot-on

solution for dogs S

COMPOSITION
One tube (0.67 ml) contains
fipronil 67 mg
Spot-on solution.
Clear, yellow to yellow-green solution.

TARGET SPECIES
Dogs.

INDICATION
Treatment and prevention of flea infestation (*Ctenocephalides* spp.) and related flea allergy dermatitis (FAD) in dogs. Treatment and prevention of infestation by ticks (*Rhipicephalus* spp., *Dermatocentor* spp., *Ixodes* spp.) and lice *(Trichodectes canis)* in dogs.

DOSAGE
For lack of data the minimum time between two applications is 4 weeks.
Method of administration: spot-on use.
Dosage depends on the weight of animal.
Dogs weighing 2–10 kg: the contents of one tube of 0.67 ml (S).
This ensures a minimum recommended dose of fipronil of 6.7 mg/kg bw.
Monthly treatment is recommended in case of a high risk of repeated attacks by fleas, if the dog is allergic to flea bites, in case of necessary control of tick infestation, or at frequent bathing of the dog using hypoallergenic or moisturizing shampoos. In areas where there is no serious infestation by fleas and ticks, FIPRON spot-on for dogs can be applied every two to three months.
FIPRON spot-on for dogs is effective against flea infestation for approximately two months and against ticks for up to 1 month, depending on the strength of environmental contamination. Fleas are killed within 24 hours after infestation.

SHELF LIFE
24 months, use immediately after opening the bag.

STORAGE
This veterinary medicinal product does not require any special temperature storage conditions. Store in the original container in order to protect from light. Store in a dry place.

PACKAGE
1, 3 or 25 single-dose tubes.

It kills fleas in 18 hours after application and eliminates ticks in 24–48 hours after application

FIPRON 134 mg spot-on

solution for dogs M

COMPOSITION
One tube (1,34 ml) contains
fipronil 134 mg
Spot-on solution.
Clear, yellow to yellow-green solution.

TARGET SPECIES
Dogs.

INDICATION
Treatment and prevention of flea infestation (*Ctenocephalides* spp.) and related flea allergy dermatitis (FAD) in dogs. Treatment and prevention of infestation by ticks (*Rhipicephalus* spp., *Dermatocentor* spp., *Ixodes* spp.) and lice *(Trichodectes canis)* in dogs.

DOSAGE
For lack of data the minimum time between two applications is 4 weeks.
Method of administration: spot-on use.
Dosage depends on the weight of animal.
Dogs weighing above 10 kg and to 20 kg: the contents of one tube of 1.34 ml (M)
This ensures a minimum recommended dose of fipronil of 6.7 mg/kg bw.
Monthly treatment is recommended in case of a high risk of repeated attacks by fleas, if the dog is allergic to flea bites, in case of necessary control of tick infestation, or at frequent bathing of the dog using hypoallergenic or moisturizing shampoos. In areas where there is no serious infestation by fleas and ticks, FIPRON spot-on for dogs can be applied every two to three months.
FIPRON spot-on for dogs is effective against flea infestation for approximately two months and against ticks for up to 1 month, depending on the strength of environmental contamination. Fleas are killed within 24 hours after infestation.

SHELF LIFE
24 months, use immediately after opening the bag.

STORAGE
This veterinary medicinal product does not require any special temperature storage conditions. Store in the original container in order to protect from light. Store in a dry place.

PACKAGE
1, 3 or 25 single-dose tubes.

Fipronil kills a flea or tick upon a mere contact, an insect does not need to suck blood for the effect to occur

FIPRON 268 mg spot-on

solution for dogs L

COMPOSITION
One tube (2.68 ml) contains
fipronil 268 mg
Spot-on solution.
Clear, yellow to yellow-green solution.

TARGET SPECIES
Dogs.

INDICATION
Treatment and prevention of flea infestation (*Ctenocephalides* spp.) and related flea allergy dermatitis (FAD) in dogs. Treatment and prevention of infestation by ticks (*Rhipicephalus* spp., *Dermatocentor* spp., *Ixodes* spp.) and lice *(Trichodectes canis)* in dogs.

DOSAGE
For lack of data the minimum time between two applications is 4 weeks.
Method of administration: spot-on use.
Dosage depends on the weight of animal.
Dogs weighing above 20 and to 40 kg: the contents of one tube of 2.68 ml (L)
This ensures a minimum recommended dose of fipronil of 6.7 mg/kg bw.
Monthly treatment is recommended in case of a high risk of repeated attacks by fleas, if the dog is allergic to flea bites, in case of necessary control of tick infestation, or at frequent bathing of the dog using hypoallergenic or moisturizing shampoos. In areas where there is no serious infestation by fleas and ticks, FIPRON spot-on for dogs can be applied every two to three months.
FIPRON spot-on for dogs is effective against flea infestation for approximately two months and against ticks for up to 1 month, depending on the strength of environmental contamination. Fleas are killed within 24 hours after infestation.

SHELF LIFE
24 months, use immediately after opening the bag.

STORAGE
This veterinary medicinal product does not require any special temperature storage conditions. Store in the original container in order to protect from light. Store in a dry place.

PACKAGE
1, 3 or 25 single-dose tubes.

A broad spectrum of effects in comparison with other preparations

FIPRON 402 mg spot-on

solution for dogs XL

COMPOSITION
One tube (4.02 ml) contains
fipronil 402 mg
Spot-on solution.
Clear, yellow to yellow-green solution.

TARGET SPECIES
Dogs.

INDICATION
Treatment and prevention of flea infestation (*Ctenocephalides* spp.) and related flea allergy dermatitis (FAD) in dogs. Treatment and prevention of infestation by ticks (*Rhipicephalus* spp., *Dermatocentor* spp., *Ixodes* spp.) and lice *(Trichodectes canis)* in dogs.

DOSAGE
For lack of data the minimum time between two applications is 4 weeks.
Method of administration: spot-on use.
Dosage depends on the weight of animal.
Dogs weighing above 40 kg: the contents of one tube of 4.02 ml (XL) One tube of 4.02 ml and one pipette of the suitable smaller size for dogs weighing above 60 kg bw.
Monthly treatment is recommended in case of a high risk of repeated attacks by fleas, if the dog is allergic to flea bites, in case of necessary control of tick infestation, or at frequent bathing of the dog using hypoallergenic or moisturizing shampoos. In areas where there is no serious infestation by fleas and ticks, FIPRON spot-on for dogs can be applied every two to three months.
FIPRON spot-on for dogs is effective against flea infestation for approximately two months and against ticks for up to 1 month, depending on the strength of environmental contamination. Fleas are killed within 24 hours after infestation.

SHELF LIFE
24 months, use immediately after opening the bag.

STORAGE
This veterinary medicinal product does not require any special temperature storage conditions. Store in the original container in order to protect from light. Store in a dry place.

PACKAGE
1, 3 or 25 single-dose tubes.

The product is badly soluble in water, which ensures its resistance against rain

FIPRON 2.5 mg/ml

cutaneous spray, solution

COMPOSITION
1 ml of the spray contains
fipronilum 2.5 mg
Cutaneous spray, solution

TARGET SPECIES
Dogs, cats.

INDICATION
Treatment and prevention of flea attack and associated allergies to flea bite. Treatment and prevention of louse and tick attacks.

DOSAGE
Generally, the dose is 7.5 mg of Fipronil per kg of the animal's body weight, i.e. in practice 3 ml of the product or 6 squeezes of the application pump per kg of the animal's body weight when using the 100 ml packaging or 2 squeezes of the cap per kg of the animal's body weight when using the 250 ml packaging.

This dose may be increased up to a double in dependence on the animal's hair length, i.e. to 15 mg of fipronil per kg of the animal's body weight, in practice up to 12 squeezes of the application pump per kg of the animal's body weight when using the 100 ml packaging or 4 squeezes per kg of the animal's body weight when using the 250 ml packaging.
Spray the whole animal's body from a 10–20 cm distance against the direction of the hair/fur. Usually, a brush or comb is used simultaneously. All hair/fur should be moisturized uniformly with the product so the preparation can penetrate as far as the skin. For the treatment of the head and skin around the eyes, spray the product onto a wet glove and rub it carefully into the hair/fur. Avoid spraying into the eyes.
Since no safety studies are available, do not apply the product more frequently than once in 4 weeks.

SHELF LIFE
24 months.

STORAGE
Store below 25 °C.
Protect from frost.

PACKAGE
1 × 100 ml, 1 × 250 ml.

- A unique combination of highly effective natural oils (Gerosil 9) with a high repellent effect
- Suitable for daily use
- Effective against biting insects including gnats, mosquitoes, midges and horseflies
- Solution of vegetable origin
- Free of neurotoxic poisons
- Long-term effect

GREEN repellent

applied to horses

COMPOSITION
Active substances: Geraniol 2.16 g/100 g, citriodiol 2.96 g/100 g, geranium oil 0.98 g/100 g, citronella oil 2.47 g/100 g in unique combination (Gerosil 9). Excipients, hazardous components: Denatured ethanol, citronellal, lavender oil, peppermint oil, eucalyptus oil.

Instructions for use: Spray the product evenly from a distance of 20 to 30 cm to the dry and clean hair of the horse! The product may also be applied as a coating. Always apply the product to the head of the horse as a coating using a clean and dry cloth or sponge. Avoid applying the product to the eyes, nostrils and mouth of the horse or to injured sites. Repeat the application as needed.

Multiple applications per day are recommended in periods of high activity of insects. Always read the label and product information before use. Using safety glasses or other eye protection is recommended during application. Wearing protective gloves is recommended when the product is applied as a coating. Use biocides safely.

STORAGE
Keep in original tightly sealed containers in a ventilated place at a temperature below 30 °C. Do not expose to direct sunlight.

DANGER

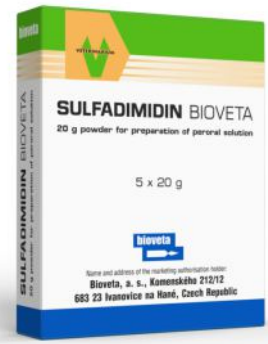
H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects. P101 If medical advice is needed, have product container or label at hand. P102 Keep out of the reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces and other sources of ignition. No smoking. P260 Do not breathe vapours. P262 Do not get in eyes, on skin.

PACKAGE
750 ml

Besides efficacy against *Eimeria* spp. has excellent bacteriostatic effect against G^- and G^+ bacteria inducing gastrointestinal and respiratory infections



SULFADIMIDIN BIOVETA 20 g

powder for preparation of peroral solution
Sulfadimidinum natricum

COMPOSITION
1 bag (containing 20 g of the preparation corresponding to one dose) contains *sulfadimidinum natricum* 20 g

INDICATION
Coccidiosis, particularly in poultry and rabbits. Treatment of infectious diseases caused by the nuclei sensitive to sulfadimidine. Continuation of treatment started by application of the injection sulfadimidine.

TARGETS SPECIES
Poultry, rabbits, calves, pigs, lambs.

DOSAGE
1 bag is dissolved in 10 liters of potable water and administered instead of beverages for 3 days. This 3-day treatment is repeated, if necessary, but only after expiration of the 3-day break without any treatment.
Preventive administration to rabbits is suitable at the age of 5–10 weeks, preferably after 2–3 day break of potable water and lush fodder.
Method of administration – perorally in the beverage.

WITHDRAWAL PERIOD
Meat – 15 days. Do not use in the laying hens whose eggs are specified for human consumption.

SHELF LIFE
36 months, after dilution in potable water according to directions: 24 hours.

STORAGE
Keep out of the reach and sight of children. Do not store above 25 °C. Store in a dry place. Protect from light. Keep out of the reach and sight of children.

PACKAGE
1 sachet a 20 grams,
5 × 1 sachets a 20 grams.

The product is waterproof and sweat – resistant

TOP SPOT ON STRONGER 16.25 g

solution for application on skin – spot-on for horses

COMPOSITION
1 vial (25 ml corresponding to one dose) contains permethrin 16.25 g
Solution for application on skin – spot-on.
Light yellow, clear solution.

TARGET SPECIES
Horses.

INDICATION
Therapeutic and preventive usage in horses against ectoparasites and flying insects (ticks, mosquitoes, horse-flies, gad-flies and black-flies).

DOSAGE
Horses – the contents of 1 package (25 ml) for horses with weight approximately 500 kg. The preparation is applied on several sites on skin in the area of the withers and shoulders in a quantity of 2–3 ml in one site.
Fur is spread before application and the solution is applied with an applicator directly on skin. Do not rub in. It is necessary to ensure application of the preparation on such a place, from which the animal cannot lick it and prevent mutual licking among animals. If the animals get wet after treatment or they are shampooed, it is necessary to repeat the therapy. The interval between individual treatments should be at least 7 days.

SHELF LIFE
24 months.

STORAGE
Store at a temperate below 25 °C.
Protect from light.
Protect from cold and freeze.

PACKAGE
1 × 25 ml, 6 × 25 ml.

Permethrin with very low toxicity to warm-blooded animals

TOP SPOT ON STRONGER 650 mg

solution for application on skin – spot-on for dogs

COMPOSITION
1 applicator (1 ml) of the solution contains permethrin 650 mg
Solution for application on skin – spot-on.
Light yellow, clear solution.

TARGET SPECIES
Dogs.

INDICATION
Therapeutic and preventive usage in dogs against ectoparasites – fleas, ticks.

DOSAGE
Dogs
up to 15 kg – content of 1 applicator (1 ml) is applied on skin in the area between the shoulder blades in small dog breeds – (Dog S or 1 applicator from mass packaging).
from 15 to 30 kg – content of 2 applicators (2 × 1 ml) is applied on skin in the area between the shoulder blades and in the root of the tail in moderate dog breeds – (Dog M or 2 applicators from mass packaging).
above 30 kg – content of 3 applicators (3 × 1 ml) is applied on skin in the area between the shoulder blades, middle of the back and in the root of the tail in large dog breeds – (Dog L or 3 applicators from mass packaging).

METHOD OF ADMINISTRATION
Only for administration by instillation on skin.
Fur is spread before application and the solution is applied with an applicator directly on skin.
Do not rub in. It is necessary to ensure application of the preparation on such a place, from which the animal cannot lick it and prevent mutual licking among animals. If dogs get wet after treatment or they are shampooed, it is necessary to repeat the therapy. The interval between individual treatments should be at least 7 days.

SHELF LIFE
24 months.

STORAGE
Store at a temperature below 25 °C. Protect from light.
Protect from cold and freeze.

PACKAGE
1 × 1 ml (S),
2 × 1 ml (M),
3 × 1 ml (L),
25 × 1 ml, 50 × 1 ml,
100 × 1 ml.

One dose of product = reliable protection against fleas for 3 months, against ticks for 4 weeks

TOP SPOT ON DOG S

solution for application on skin – spot-on for dogs

COMPOSITION
1 applicator (1 ml)
of the solution contains
permethrin 650 mg
Solution for application on skin – spot-on.
Light yellow, clear solution.

TARGET SPECIES
Dogs (less than 15 kgs).

INDICATIONS
Therapeutic and preventive usage in dogs against ectoparasites – fleas, ticks
(*Ctenocephalides* spp., *Ixodes* spp.)
Recommended dose of the TOP SPOT ON DOG S provides protection against ticks infestation for 4 weeks and against fleas infestation for 3 months.

CONTRAINDICATION
Product should not be used in cats, as this product is toxic for cats.
Top Spot on Dog S should not be used in puppies less than 3 weeks old and dogs weighing less than 2 kgs. Follow the recommended dosage

DOSAGE
Only for administration by instillation on skin.
Dogs weighing less than 15 kgs – content of one applicator (1 ml) is applied on skin in the area between the shoulder blades in small dog breeds.

METHOD OF ADMINISTRATION
Hold the tube with the neck upwards and knock the neck repeatedly with your finger. Break off the tip carefully by twisting motion. Part the hair of the animal in the withers in front of the shoulder blades until the skin is visible. Place the applicator tip on the skin and press the tube repeatedly to empty the entire contents of the tube directly on the skin.

SHELF LIFE
24 months.

STORAGE
Protect from light.
Protect from cold and freeze.

PACKAGE
1, 3 or 10 single-dose tubes.

Depo effect, good local and systemic tolerance

TOP SPOT ON DOG M

solution for application on skin – spot-on for dogs

COMPOSITION
1 applicator (2 ml) of the solution contains permethrin 1300 mg
Solution for application on skin – spot-on.
Light yellow, clear solution.

TARGET SPECIES
Dogs (15–30 kgs).

INDICATIONS
Therapeutic and preventive usage in dogs against ectoparasites – fleas, ticks (*Ctenocephalides* spp., *Ixodes* spp.)
Recommended dose of the TOP SPOT ON DOG M provides protection against ticks infestation for 4 weeks and against fleas infestation for 3 months.

CONTRAINDICATION
Product should not be used in cats, as this product is toxic for cats.
Top Spot on Dog M should not be used in puppies less than 3 weeks old. Follow the recommended dosage.

DOSAGE
Only for administration by instillation on skin.
Dogs weighing 15–30 kgs – content of one applicator (2 ml) is applied on skin in the area between the shoulder blades and in the root of the tail in medium dog breeds.

METHOD OF ADMINISTRATION
Hold the tube with the neck upwards and knock the neck repeatedly with your finger. Break off the tip carefully by twisting motion. Part the hair of the animal in the withers in front of the shoulder blades until the skin is visible. Place the applicator tip on the skin and press the tube repeatedly to empty the entire contents of the tube directly on the skin.

SHELF LIFE
24 months.

STORAGE
Protect from light.
Protect from cold and freeze.

PACKAGE
1, 3 or 10 single-dose tubes.

Using preparations containing permethrin can significantly reduce the incidence of tick-borne diseases in humans and animals

TOP SPOT ON DOG L

solution for application on skin – spot-on for dogs

COMPOSITION
1 applicator (3 ml) of the solution contains permethrin 1950 mg
Solution for application on skin – spot-on.
Light yellow, clear solution.

TARGET SPECIES
Dogs (above 30 kgs).

INDICATIONS
Therapeutic and preventive usage in dogs against ectoparasites – fleas, ticks (*Ctenocephalides* spp., *Ixodes* spp.)
Recommended dose of the TOP SPOT ON DOG L provides protection against ticks infestation for 4 weeks and against fleas infestation for 3 months.

CONTRAINDICATION
Product should not be used in cats, as this product is toxic for cats.
Top Spot on Dog L should not be used in puppies less than 3 weeks old. Follow the recommended dosage

DOSAGE
Only for administration by instillation on skin.
Dogs weighing above 30 kgs – content of one applicator (3 ml) is applied on skin in the area between the shoulder blades, middle of the back and in the root of the tail in large dog breeds in large dog breeds.

METHOD OF ADMINISTRATION
Hold the tube with the neck upwards and knock the neck repeatedly with your finger. Break off the tip carefully by twisting motion. Part the hair of the animal in the withers in front of the shoulder blades until the skin is visible. Place the applicator tip on the skin and press the tube repeatedly to empty the entire contents of the tube directly on the skin.

SHELF LIFE
24 months.

STORAGE
Protect from light.
Protect from cold and freeze.

PACKAGE
1, 3 or 10 single-dose tubes.

ANTIANAEMICS

11

FERRIBION 100 mg/ml
GAFERVIT mite
GAFERVIT

Injection antianaemic product with trivalent iron in the dextraferranum form

FERRIBION 100 mg/ml

injection solution

COMPOSITION
1 ml of injection solution contains:
Dextraferranum 100,000 mg

TARGET SPECIES
Cattle, horses, sheep, goats, piglets, dogs, minks, foxes.

INDICATIONS
Anemia, hypoglobulinemia, cachexy, delayed development, weaning-related diseases (diarrhea, inappetence, etc.), piglet metabolism disorders.

DOSAGE

	Prophylactically	Therapeutically
Adult cattle, horse	4 – 8 ml	8 – 12 ml
Calf, sheep, goat	2 – 4 ml	4 – 6 ml
Piglet (2 – 3 days old)	1 – 2 ml	2 – 2.5 ml
Lamb	1.5 – 2.5 ml	2 – 4 ml
Dog	1 - 2 ml	Prophylactic doses should be repeated 2–3 times at the intervals of 1–2 weeks
Mink (8 – 12 weeks old)	0.5 ml	
Mink (3 months and above)	1 ml	
Fox (6 – 12 weeks old)	1 ml	
Fox (3 months and above)	2 ml	

The injection is applied into the gluteal musculature on a medial thigh surface and into the neck musculature in piglets and other animals, respectively.

ROUTE OF ADMINISTRATION
Intramuscularly.

WITHDRAWAL PERIOD
None.

SHELF LIFE
Shelf-life 2 years, after first opening of the immediate packaging: 28 days.

STORAGE
Store in a refrigerator (2 °C – 8 °C).

PACKAGE
50 ml, 100 ml, 500 ml in glass vial or plastic HDPE bottle.

Injection antianemic, immunopreventive and vitamin of group B product with the unique content of porcine serum

GAFERVIT mite

injection solution

COMPOSITION

1 ml of injection solution contains:

Serum suillum nativum	0.8 ml
Dextraferranum	7 mg
Thiamini hydrochloridum	0.03 mg
Riboflavinum	0.0114 mg
Pyridoxini hydrochloridum	0.0028 mg
Nicotinamidum	0.4284 mg
Calcii pantothenas	0.016 mg
Cupri chloridum	0.02707 mg
Cobaltosi chloridum anhydricum	0.00266 mg

TARGET SPECIES

Piglets.

INDICATIONS

Anemia, hypoglobulinemia, cachexy, delayed development, weaning-related diseases (diarrhea, inappetence, etc.), piglet metabolism disorders.

DOSAGE

Piglets up to 10 days of age	5 ml
Piglets from 10 to 20 days of age	10 ml
Piglets over 20 days of age	20 ml

ROUTE OF ADMINISTRATION

Intramuscularly.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life 2 years, after first opening of the immediate packaging: 28 days.

STORAGE

Store in a refrigerator (2 °C – 8 °C).

PACKAGE

10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml and 1.000ml in glass vial or plastic HDPE bottle.

Injection antianemic, immunopreventive and vitamin of group B product with the unique content of pure porcine immunoglobulines

GAFERVIT

injection solution

COMPOSITION

100 ml of injection solution contains:

Immunoglobulinum suillum nativum	5000,000 mg
Dextraferranum	700,000 mg
Thiamini hydrochloridum	3,000 mg
Riboflavinum	1,140 mg
Pyridoxini hydrochloridum	0,280 mg
Nicotinamidum	42,840 mg
Calcii pantothenas	1,600 mg
Cupri chloridum	2,707 mg
Cobaltosi chloridum anhydricum	0,266 mg

Thiomersalum
Natrii chloridi solutio 9 g/l parenteralis

TARGET SPECIES

Piglets.

INDICATIONS

Anemia, hypoglobulinemia, cachexy, delayed development, weaning-related diseases (diarrhea, inappetence, etc.), piglet metabolism disorders.

DOSAGE

Piglets up to 10 days of age	3 ml
Piglets from 10 to 20 days of age	5 ml
Piglets over 20 days of age	10 ml

ROUTE OF ADMINISTRATION

Intramuscularly.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life 2 years, after first opening of the immediate packaging: 28 days.

STORAGE

Store in a refrigerator (2 °C – 8 °C).

PACKAGE

10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml and 1.000 ml in glass vial or plastic HDPE bottle.

ANAESTHETICS

12

NALGOSED 10 mg/ml
NARKAMON 100 mg/ml
NARKAMON 50 mg/ml
ROMETAR 20 mg/ml
XYLASED 100
XYLASED 500

Butorphanol is a central nervous system acting analgesic with both opiate agonist and antagonist activity

NALGOSED 10 mg/ml

solution for injection

Butorphanolum

COMPOSITION
1 ml of the solution for injection contains butorphanol 10 mg (as butorphanol tartrate 14.58 mg)

INDICATION
The product is indicated for the management of analgesia and sedation in horses; for the management of analgesia, sedation and preanaesthesia in dogs and cats.

TARGET SPECIES
Dogs, cats, horses.

DOSAGE
HORSE: Only for intravenous (IV) administration, **DOG, CAT:** Intravenous (IV), subcutaneous (SC) or intramuscular (IM) administration

HORSE
As an analgesic: Butorphanol alone: Administer a dose of 0.1 mg/kg bw, equivalent to 0.01 ml of the product/kg bw, i.e. 1 ml/100 kg bw, by IV injection.
As a sedative: Butorphanol in combination with detomidine or butorphanol in combination with romifidine

DOG
As an analgesic: Butorphanol alone: Administer a dose of 0.2-0.3 mg/kg bw, equivalent to 0.02-0.03 ml of the product/kg bw, i.e. 0.2-0.3 ml/10 kg bw, by IV, IM or SC injection.
As a sedative: Butorphanol in combination with medetomidine
As a preanaesthetic: Butorphanol alone: Administer a dose of 0.1-0.2 mg/kg bw, equivalent to 0.01-0.02 ml of the product/kg bw, by IV, IM or SC injection.
As a sedative and preanaesthetic – premedication of barbiturate anaesthesia: Butorphanol in combination with medetomidine
As a part of the anaesthesia protocol: Butorphanol in combination with medetomidine and ketamine

CAT
As a preoperative analgesic: Butorphanol alone: Administer a dose of 0.4 mg/kg bw, equivalent to 0.04 ml of the product/kg bw, i.e. 0.2 ml/5 kg bw, by IM or SC injection. When intravenous induction of anaesthesia is used, administer butorphanol 15–30 minutes before administering the anaesthetic. When intramuscular induction of anaesthesia is used (acepromazine/ketamine or xylazine/ketamine), administer butorphanol 5 minutes before administering the anaesthetic.
As a postoperative analgesic:
i) Intramuscular, subcutaneous administration
ii) Intravenous administration
As a sedative: Butorphanol in combination with medetomidine
As a part of the anaesthesia protocol: Butorphanol in combination with medetomidine and ketamine
i) Intravenous administration
ii) Intramuscular administration

SHELF LIFE
Shelf life of the veterinary medicinal product as packaged for sale: 2 years.
Shelf life after first opening the immediate packaging: 28 days.

SPECIAL STORAGE PRECAUTIONS
This veterinary medicinal product does not require any special storage conditions.
Protect from light.

PACKAGE
10 ml.

Ketamine is used with other agents for sedation, analgesia and total dissociative anesthesia

NARKAMON 100 mg/ml

solution for injection Ketamine

COMPOSITION
1 ml of clear, colourless solution for injection contains
ketaminum 100 mg.

INDICATION
Short term general anaesthesia in dogs, cats, horses and donkeys for diagnostic and therapeutic procedures.

TARGET SPECIES
Dogs, cats, horses and donkeys.

DOSAGE
Method of administration: intramuscular or intravenous.
The dosage should be adjusted individually to individual patients.

Horse
The usual dose is 2 ml of the product/100 kg of live weight (i.e. 2 mg of ketamine/kg of live weight) quickly intravenously.
For safe effect of ketamine is required sedative premedication e.g. acepromazin 0.1 mg/kg of live weight, then guaifenesine 90–120 mg/kg of live weight or xylazine 0.4–0.6 mg/kg of live weight i.v.

Dog
Monoanaesthesia 0.1–0.2 ml of the product/kg of live weight (i.e. 10–20 mg of ketamine/kg of live weight) intramuscularly
Combination options: atropin 0.05 mg/kg of live weight i.v., i.m., s.c. together with acepromazine in a dose of 0.1 mg/kg of live weight, after initiation of their effect NARKAMON 100 mg/ml solution for injection in a dose of 0.2 ml/10 kg of live weight. (i.e. 2 mg of ketamine/kg of live weight) intravenously

Cat
Monoanaesthesia 0.2–0.4 ml of the product/kg of live weight (i.e. 20–40 mg of ketamine/kg of live weight) intramuscularly
Combined anaesthesia: 0.1–0.2 ml of the product/kg of live weight (i.e. 10–20 mg of ketamine/kg of live weight) intramuscularly

SHELF LIFE
Shelf-life 24 months, after first opening the immediate packaging 28 days.

SPECIAL STORAGE PRECAUTIONS
Keep out of the reach of children. Keep the vial in a box, protected against light. Protect from frost.

PACKAGE
50 ml.

Ketamine is used with other agents for sedation, analgesia and total dissociative anesthesia

NARKAMON 50 mg/ml

solution for injection Ketamine

COMPOSITION

1 ml of the product contains
ketaminum 50 mg
Clear colourless solution for injection.

TARGET SPECIES

Horse, calf, sheep, goat, dog, cat, feline, monkey, ape, antelope, deer, roe deer, bird of prey, parrot, pigeon, reptile, mouse, rat and guinea pig.

INDICATIONS

As monoanaesthetic (separately) in cats for diagnosis, treatment and minor surgical procedures not requiring myorelaxation (reducing of muscle tension).
In combination with tranquilizers (sedatives), injection or inhalation anaesthetics (desensitizers) for a majority of medium and larger surgeries in horses, calves, sheep, dogs, cats, zoo animals, small animals, birds and reptiles.

DOSAGE

Posology depends on the animal species, the method of administration and the required intensity of anaesthesia.
The effect of ketamine can be extended in all domestic animals by a repeated administration of 1/3 to 1/2 of the initial dose at the time of first signs of awakening.
Horse: Xylazine 1.1 mg/kg bw slowly intravenously, after the onset of intensive sedation ketamine is administered in a dose of 2.2 mg/kg bw quickly intravenously within 2 minutes.
Calf, sheep, goat: Atropine 0.1–0.2 mg/kg bw intramuscularly, 10–15 minutes later ketamine 10 mg/kg bw intramuscularly.
Dog: Ketamine in combination with xylazine is the most frequent method of general anaesthesia in dog. Atropine 0.05 mg/kg bw + xylazine 1–2 mg/kg bw + ketamine 10–20 mg/kg bw simultaneously or subsequently intramuscularly. Medium and large dog breeds: atropine 0.05 mg/kg bw + xylazine 1–1.5 mg/kg bw simultaneously intramuscularly. 5–10 minutes later, 2 mg/kg bw of 1% ketamine solution, slowly intravenously. Anaesthesia starts after the ketamine injection is terminated and persists for 10–15 minutes.
Cat: For sedation, 5–10 mg/kg bw to examine and treat the animal without any pain. For general anaesthesia, 20–25 mg/kg bw intramuscularly. To reduce the percentage of side ketamine manifestations and to achieve relaxation, the following procedure is recommended: atropine 0.05 mg/kg bw + xylazine 0.5 mg/kg bw subcutaneously (or diazepam 0.25–0.5 mg/kg bw intramuscularly). 15–20 minutes later, ketamine 10–15 mg/kg intramuscularly. Ketamine is administered intramuscularly (i.m.) or intravenously (i.v.).

WITHDRAWAL PERIOD

Meat 24 hours, no withdrawal period for milk.

SHELF LIFE

Shelf-life 24 months, after first opening the immediate packaging 28 days.

STORAGE

Store below 25 °C.
Protect from light.

PACKAGE

50 ml.

Xylazine is determined to sedation, analgesia and myorelaxation in according to dose and combination with other substances

ROMETAR 20 mg/ml

injection solution Xylazinum

COMPOSITION
1 ml contains xylazinum *(ut xylazini hydrochloridum)* 20 mg
Clear colourless solution for injection.

TARGET SPECIES
Horses, cattle, dogs, cats, ZOO animals (red deer, roe deer, fallow deer).

INDICATIONS
Sedation prior to medical examination or not very painful procedures (transfer, weighing, X-raying, cloven hoof treatment, foreign matter removal from the throat of a big animal, ...). Prior to painful procedures in combination with local anaesthetics.

DOSAGE
Horse: Use Rometar alone at doses of 0.6 to 1 mg xylazine per kg live weight (i.e. 3–5 ml Rometar/100 kg live weight). The combination which is most frequently used for short procedures on a lying patient is as follows: xylazine 1.1 mg/kg live weight slowly i.v., in 2–3 minutes followed by ketamine 2.2 mg/kg live weight rapidly i.v.
Cattle: Dose I: 0.25 ml Rometar/100 kg live weight i.m. – sedation to calm the animal down and for minor procedures in local anaesthesia.
Dose II: 0.5 ml Rometar/100 kg live weight i.m. – medium sedation, weak relaxation and analgesia. The patient is allowed to lie down.
Dose III: 1 ml Rometar/100 kg live weight i.m. : very strong sedation with appreciable depression of the CNS, long-lasting myorelaxation and medium analgesia, well suited to the majority of surgeries on a lying patient (local anaesthesia can be applied in addition if appropriate).
Dose IV: 1.5 ml Rometar/100 kg live weight i.m. – induces total anaesthesia with pronounced side effects (bradypnoea, bradycardia, tympanites, salivation).
Dog: For sedation: 1 to 3 mg xylazine per kg live weight (i.e. 0.05 to 0.15 ml Rometar per kg live weight) i.m. following 24 hr starvation and premedication with atropine 0.05 mg per kg live weight s.c. or i.m.
Cat: For sedation: 1 to 2 mg xylazine per kg live weight (i.e. 0.05 to 0.1 ml Rometar/100 kg live weight) s.c. or i.m. (doses near the upper limit induce respiratory depression) after 24 to 36 hours of starvation and premedication with atropine (starvation and premedication must not be omitted). Vomiting or urge to vomit are frequent during the starting phase of the effect. In combination with injection anaesthetics (typically ketamine) for inducing total anaesthesia in preparation for the majority of surgeries.

WITHDRAWAL PERIOD
Meat from cattle and horses: 1 day. Milk from cattle: No withdrawal periods.

SHELF LIFE
Shelf-life 24 months, after the first opening of the immediate packaging 28 days.

STORAGE
Store below 25 °C.
Protect from light.

PACKAGE
50 ml.

Injectable product for sedation, myorelaxation and analgesia with higher concentrations of xylazine intended for horses and cattle

XYLASED 100 mg/ml

solution for injection

Xylazinum (as xylazine hydrochloride)

COMPOSITION

1 ml of the solution for injection contains:
Active substance: Xylazine (as xylazine hydrochloride) 100.0 mg
Clear, colourless solution, free of visible particles.

INDICATIONS

Cattle:
Sedation, myorelaxation and analgesia for small surgeries.
Horse:
Sedation and myorelaxation.

TARGET SPECIES

Cattle, horses.

DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION

Cattle
Method of administration:
Single slow intravenous or intramuscular administration.
When administered intramuscularly, the product may be applied by injection or tranquiliser shot.

Recommended doses for individual routes of administration:
i) Intravenous administration:
0.03–0.1 ml of the product/ 100 kg bw, which is equivalent to a xylazine dose of 0.03–0.1 mg/kg bw
ii) Intramuscular administration:
0.05–0.3 ml of the product/ 100 kg bw, which is equivalent to a xylazine dose of 0.05–0.3 mg/kg bw

Horse
Method of administration: Single slow intravenous administration.
Recommended dose: 0.6–1 ml of the product/100 kg bw, which is equivalent to a xylazine dose of 0.6–1.0 mg/kg bw

WITHDRAWAL PERIOD

Cattle: Meat: 3 days.
Milk: 36 hours.
Horse:
Do not use in horses the meat of which is intended for human consumption.
Do not use in horses the milk of which is intended for human consumption.

SPECIAL STORAGE PRECAUTIONS

Keep out of the reach of children. Protect from frost. Keep the vial in the carton in order to protect from light. Do not use after the expiry date which is stated on the packaging.
Shelf life after first opening the immediate packaging: 28 days.

PACKAGE:

1 × 10 ml, 1 × 50 ml

Fast sedation, good myorelaxation and transitional analgesia

XYLASED 500

Xylazinum

lyophilizate for solution for injection with solvent

COMPOSITION
Xylazinum (ut *Xylazini hydrochloridum*) 500 mg
Solvent: Water for injection

INDICATION
Cattle: Sedation, myorelaxation and analgesia at small surgeries; premedication before general anaesthesia. Horse: sedation and myorelaxation; premedication before general anaesthesia

TARGET SPECIES
Cattle, horse, red deer, fallow deer, roe deer

DOSAGE
The product may be prepared in 3 different concentrations (5%, 10%, 25%), using different amounts of solvent (10 ml, 5 ml, 2 ml). Dissolve the lyophilizate in a quantity of solvent according to the required concentration of solution.
5% and 10% solutions are recommended for injection applications, 25% solution for a narcotizing shot.
Always measure in a syringe a respective volume of solvent for the reconstitution of lyophilizate:

- 10 ml of solvent to prepare 5% solution
- 5 ml of solvent to prepare 10% solution
- 2 ml of solvent to prepare 25% solution

Effect in target species:
Cattle: The rate of effect depends on an administered dose. The analgesic and anaesthetic effect is growing with an increasing dose. After intramuscular administration, the onset of sedation is established at 5 minutes, with duration of 30–60 minutes. When a dose is increased, deep sedation and marked analgesia occur, the recovery phase is prolonged to 1–2 hours.
Horse: After intravenous administration, the onset of xylazine effect is fast, within 1 minute. The effect persists for 15–20 minutes, the recovery phase is 10–15 minutes. Normal condition is restored within 1 hour. After intramuscular administration the onset period is prolonged to 10–15 minutes and the normal condition is restored within 2 hours after administration.
Red deer, fallow deer, roe deer: The onset of effect is established at 5 minutes, the duration of effect is about 20 minutes and the normal condition is restored within 2–3 hours after administration.
Horse: At intravenous application the dose should be applied slowly, for 1–2 minutes.

WITHDRAWAL PERIOD
Cattle: meat 3 days,
milk 3 milkings.

SHELF LIFE
24 moths, after the dissolution immediately

STORAGE
Keep out of the reach and sight of children. Store below 25 °C. Protect from light.

PACKAGE
1 × 500 mg + 1 × solvent (2 ml) (to prepare 25% solution),
1 × 500 mg + 1 × solvent (10 ml) (to prepare 5%, 10%, 25% solution)

INTRAMAMMARY

13

GAMARET
INTRAMAR LC
LINEOMAM LC

Product for treatment acute and chronic mastitis during lactation with the unique antibiotic Novobiocinum

GAMARET

intramammary suspension

COMPOSITION

1 applicator 10 ml contains:

Procaini benzylpenicillinum monohydricum	100 mg
Neomycini sulfas	102 000 IU
Dihydrostreptomycini sulfas	91 250 IU
Novobiocinum natricum	100 mg
Prednisolonum	10 mg

TARGET SPECIES

Cattle – milking cows in lactation period.

INDICATIONS

Treatment of acute and chronic mastitis in cows in the period of lactation caused by micro-organisms susceptible to novobiocin, penicillin, dihydrostreptomycin and neomycin.

DOSAGE

The content of one applicator (10 ml of the preparation) is administered to the affected quadrant. Before the preparation is administered the lacteal glands are milking and thoroughly cleaned and disinfected using enclosed cleaning wipes.

Administration method:

The preparation is intended only for intramammary use. Shake well before use. Udder and teats are washed as required with warm water and thoroughly dried. The ends of teats are disinfected with an appropriate agent and after removing the plastic cover of the applicator's tip is the applicator inserted to the teat duct. The content is administered to the udder by pressing the piston. After the administration is the particular quadrant massaged in order to ensure a better distribution of the preparation into milk cisterns. If required by the situation, it is possible to repeat therapy after 24–48 hours.

WITHDRAWAL PERIODS

Meat 7 days, milk – 72 hours (6 milking).

SHELF LIFE

Shelf-life in an intact package: 18 months

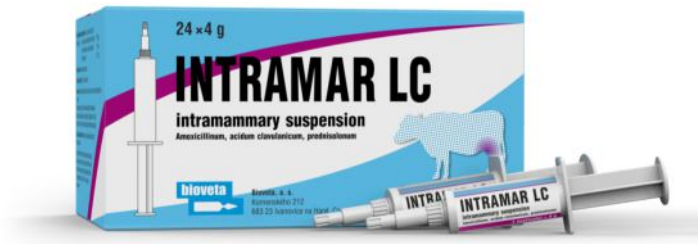
STORAGE

Store below 25 °C and keep in dry place and protect for light. Do not freeze.

PACKAGE

10 ml plastic applicators (packaging 20 applicators in paper box).

Product for mastitis treatment with the broad-spectrum efficacy against major bacterial pathogens of mammary gland



INTRAMAR LC

intramammary suspension

COMPOSITION

1 applicator (4 g) contains :

Amoxicillinum (ut amoxicillinum trihydricum)	200.00 mg
Acidum clavulanicum (ut kalii clavulanas)	50.00 mg
Prednisolonum	10,00 mg

TARGET SPECIES

Cattle.

CHARACTERISTIC AND INDICATION

The product is intended for the treatment of mastitis in lactating dairy cows. The product contains a broad spectrum antibiotic amoxicillin and clavulanic acid potenced with corticosteroid prednisolone, which suitably modulates the inflammatory response. Product is indicated for the treatment of environmental and contagious mastitis caused by bacteria sensitive to beta-lactam antibiotics, including the strains producing beta-lactamase, especially species: *Staphylococcus* spp. including coagulate-negative strains , *Streptococcus* spp. (especially *S. agalactiae, S. dysgalactiae, S. uberis*), *Enterococcus* spp.

Administration method:

The product is administered immediately after milking. In each affected district serves a total of 3 doses at 12-hour intervals.

WITHDRAWAL PERIODS

Meat 7 days, milk 84 hours (7 milking).

SHELF LIFE

Shelf-life in an intact package: 18 months

STORAGE

Store below 25 °C and keep in dry place and protect for light. Do not freeze.

PACKAGE

Each applicator is provided with a self-adhesive label is sealed in PE foil with four pieces. Shipping box of 24 pcs of applicators (6 × 4 pcs) is inserted into a box along with a leaflet.

Product for mastitis treatment caused by bacteria susceptible to a combination of lincomycin and neomycin antibiotics

LINEOMAM LC

intramammary solution

COMPOSITION
1 applicator of 10 ml contains:
Lincomycinum (ut hydrochloridum) 330 mg
Neomycin sulfate 100,000 IU
Intramammary solution. Clear, colourless to yellowish solution.

TARGET SPECIES
Dairy cows during lactation.

INDICATIONS FOR USE, SPECIFYING THE TARGET SPECIES
Treatment of mastitis caused by bacteria susceptible to a combination of lincomycin and neomycin in dairy cows during lactation. Bacteria generally susceptible to lincomycin and/or neomycin are bacteria of the genus Staphylococcus spp., including S. aureus, the genus Streptococcus spp. including S. agalactiae, S. dysgalactiae and S. uberis, and coliform bacteria, including E. coli.

USE DURING PREGNANCY AND LACTATION
Can be used during pregnancy and lactation.

AMOUNTS TO BE ADMINISTERED AND ADMINISTRATION ROUTE
Intramammary administration.
For one dose, the contents of 1 applicator is administered to each affected quarter, i.e. 100,000 IU neomycin sulfate and 330 mg lincomycin. A total of 3 doses is applied to each affected quarter. Doses are applied at 12-hour intervals.
Administer the product by intramammary infusion only, taking aseptic precautions. Apply to a clean, washed and thoroughly dried udder, as soon as possible after milking the treated quarter. Prior to application, disinfect the end of the teat using one of the disinfectant wipes provided (use a new wipe for each teat!).
Prior to application, hold the applicator with the cannula pointed upward and remove the cap from the cannula in this position. Immediately after opening, insert the cannula into the teat canal, press the plunger and dispense the entire contents of the applicator into the affected quarter. It is recommended the teat be massaged briefly, away from the tip of the teat towards the milk cistern, following application.
Each applicator is intended for single use only.

WITHDRAWAL PERIODS
Meat: 3 days.
Milk: 84 hours.

SHELF LIFE
Shelf life of the veterinary medicinal product as packaged for sale: 2 years.
Intended for immediate use after first opening.

STORAGE
Do not freeze. Protect from light.

PACKAGE
24 × 10 ml, package includes 24 disinfectant wipes moistened with 65% v/v isopropyl alcohol solution

VITAMINS MINERALS

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ADE - vit.
ENERGY BOOSTER BIOVETA
FRESH HORSE PASTE
MULTIVIT – MINERAL
PLASTIN
VITA E SELEN
VITAPLASTIN FORTE
VITAPLASTIN tbl.

Oily injection product containing vitamins A, D_2 and E

ADE - vit.

injection solution

COMPOSITION

1 ml of injection solution contains:

Retinoli propionas	100 000 IU
Ergocalciferolum	100 000 IU
Tocoferoli alfa acetas	30 mg

TARGET SPECIES

Cattle, horses, pigs, sheep, goats, dogs, rabbits.

INDICATIONS

Hypovitaminosis and avitaminosis A, D_2 and E, growth and metabolic disorders in young domestic animals, increased susceptibility to infectious diseases of the respiratory and the digestive systems; hemeralopia, xerophthalmia, keratomalacia, epithelial alterations, acne, hyperkeratotic eczema, rickets, osteomalacia, disorders caused by low calcium level in the body, promoting bone fractures healing and proper tooth development, dermatitis pustulosa. Supportive treatment of sterility of unknown etiology, prophylaxis of embryonic mortality and fetal development disturbances during the prenatal period, oligospermia, lack of libido sexualis in males, myodystrophy in lambs and calves, vitamin supplementation in the period before parturition and in newborn animals, especially in exposed hygiene and dietary conditions.

DOSAGE

Cattle, horse	5–10 ml
Calf, pig, foal	3–7 ml
Piglet, lamb, kid	1–3 ml
Rabbit	0.1 ml
Dog	0.1 ml/5 kg of the body weight

In severe cases, repeat 2–3 times in half doses in 2-day intervals.

METHOD OF ADMINISTRATION

Intramuscularly.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life 2 years.

STORAGE

Store in a refrigerator (2 °C – 8 °C), protect from frost, keep in dry and dark place.

PACKAGE

50 ml, 100 ml in glass vial, 500 ml in plastic HDPE bottle.

Supplementary feed to increase performance of horses

ENERGY BOOSTER BIOVETA

oral gel

ENERGY BOOSTER BIOVETA provides rapid and reliable supply of nutrients, minerals and vitamins important for their health and performance and correct function of vital organs in horses. Paste is easily administered with an oral applicator and due to suitable technological processing. Balanced intake of nutrients, electrolytes and vitamins is manifested by:

- physical stabilisation, fast regeneration and support of appetite with group B vitamins,
- regulation of blood cells production and myoglobin by iron,
- rapid return to full performance capacity and increased will for performance due to metabolic optimisation of essential amino acids,
- by the optimisation of stimuli activation in nerve endings by means of minerals and electrolytes,
- by supplementation of electrolytes after excessive sweating, mainly during and after the procedure.

COMPOSITION

Supplementary substances: Vitamin E, vitamin B3, B1, B2, B5, B6, B12, iron as sulphate heptahydrate, zinc sulphur heptahydrate, methionin, L – lysine hydrochloride, aspartam, potassium sorbate, emulgators Glucose, saccharose, sodium chloride, potassium chloride, calcium gluconate, magnesium hydrogenphosphate Suspension-emulsion preparation with an applicator in a form of paste containing highly concentrated and rapidly available nutritional substances, electrolytes and vitamins.

TARGET ANIMAL SPECIES

Horses.

DOSAGE

Oral.
horse (live weight 500 kg):
20 g (1 applicator)
moderate horse breeds:
10 g (1/2 applicator)
small horse breeds:
5 g (1/4 applicator)

see table below ...

STORAGE

Keep out of the reach of children. Keep at a temperature bellow 25 °C. Protect from light. Keep in dry place.

SHELF LIFE

2 years.

PACKAGE

1×20 g.

	Daily dose	Time period
General For improvement condition of the horse	20 g	2 times weekly till recovery
Racing horses During extreme short-term exertion (training, races)	20 g	2–5 hours before race and after

Oral gel for respiratory support and against muscle fatigue of the horse

FRESH HORSE

oral gel

INDICATION

Product with a unique combination of LACARTIN 5 active substances containing oils of peppermint, anis and eucalyptus to facilitate and support breathing, and L-carnitin to spare muscle glycogen and reduce lactate build-up in muscles causing muscle fatigue. The medicinal product comes in the form of sweet, tasty and easy-to-administer gel.

COMPOSITION

1 applicator contains:
L-carnitin 4.5 g, peppermint oil, anise oil, eucalyptus oil, silicon dioxide, sucralose, honey, water, sodium methylparaben, sodium propylparaben.

Oral gel.

TARGET ANIMAL SPECIES

Horses.

DOSAGE AND METHOD OF ADMINISTRATION

The applicator contains one dose – 12.4 g.

Administer one applicator 15–25 minutes before mounting the horse (show jumping, race horses, reining, dressage, etc.). In other cases 15–25 minutes before starting the sports performance of the horse. Squeeze the applicator contents at the back of the tongue by single pushing the piston.

This medicinal product does not contain any doping substances.

Before application, remove the cap from the applicator by bending it slightly to one side.

STORAGE

Store at temperatures below 25 °C.
Protect from frost.

SHELF LIFE

2 years.

PACKAGE

1 × 12.4 g

Well-balanced mineral supplement for wide spectrum of targets species

MULTIVIT – MINERAL

vitamin, mineral and amino-acid product

COMPOSITION

1 ml of injection solution contains: *Retinolum* – 50 000 IU, *Colecalciferolum* – 25 000 IU, *Vitaminum E* – 4 mg, *Thiaminum* – 10 mg, *Riboflavinum* – 0,04 mg, *Pyridoxinum* – 2 mg, *Cyanocobalaminum* – 0,01 mg, *Dexpanthenolum* – 2 mg, *Acidum nicotinicum* – 5 mg, *Inositolum* – 2 mg, *Methioninum racemicum* – 5 mg, *Cholini citricum* – 5 mg, *Magnesii hypophosphis hexahydricus* – 1 mg, *Cobaltosi chloridum* – 0,02 mg, *Cupri sulfas* – 0,1 mg, *Zinci sulfas* – 0,1 mg

TARGET SPECIES

Cattle, horse, sheep, pig, goat, dog, piglets, kids, lambs, hens, chickens, turkeys and their chickens, ducks, ducklings, geese, goslings, pigeons and exotic birds.

INDICATIONS

Hypovitaminosis and avitaminosis A, D3 and E and vitamins soluble in water; growth and metabolism disorders in young domestic animals, increased susceptibility to infectious diseases of respiratory and digestive systems; hemeralopia, xerophtalmia, keratomalacia, epithelial alteration, acne, hyperkeratotic eczema, rachitis, osteomalacia, disorders caused by low calcium level in the organism, support of bone fractures healing and correct teeth genesis, dermatitis pustulosa in piglets, neuritis, therapy with chemotherapeutics, panmyelopathy, intestinal atonia, somnipathy and liver disorders. Supportive treatment of sterility without known aetiology, prophylaxis of embryonic mortality and foetus genesis disorders in the prenatal period, oligospermia, poor libido sexualis in males, myodystrophia in lambs and calves; replenishment of vitamin and mineral reserves before giving birth and at new-born animals, especially in exposed zoohygienic and dietetic conditions.

DOSAGE

The recommended dose for intramuscular or subcutaneous administration is:
Cattle: 2–6 ml/100 kg bw
Sheep, pigs, goats:
1,5–2,5 ml/50 kg body weight
Piglets, kids, lambs:
1–1.5 ml/10 kg body weight
Dog:
0,5–5 ml/10 kg body weight
The upper tolerance of the dose is maximum for one animal. The dose can be repeated in 10–14 days.
The recommended dose for oral administration is:
Calves, foals (50 kg bw)
1 ml/8 animal/day
Piglets, lambs, kids (5 kg bw)
1 ml/40 animal/day
Pigs (100 kg bw)
1 ml/4 animal/day
Horses, cattle (500 kg bw)
2 ml/1 animal/day

METHOD OF ADMINISTRATION

The product is administered intramuscularly, subcutaneously and orally.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life 2 years, after first opening of the immediate packaging: 28 days.
After dilution (for oral administration) – 12 hours.

STORAGE

Store at temperature at 8–15 °C in the dark and dry place.

PACKAGE

50 ml, 100 ml, 250 ml and 500 ml in glass vials.

Minerals for peroral administration with vanilla flavor

PLASTIN

mineral food complement for pigs, dogs and poultry

COMPOSITION
Calcium carbonate, calcium dihydrogen and hydrogen phosphate monohydrate, iron sulfate monohydrate, zinc oxide, zinc and amino acid n-hydrate chelate complex, iron and amino acid n-hydrate chelate complex , copper(II) oxide (CuO), copper and amino acid n-hydrate chelate complex manganese (II)oxide, manganese and amino acid n-hydrate chelate complex, potassium iodide (KI), vanilla flavor

Completion of mineral substances into the feeding dose. Perorally in feed.

DOSAGE
Pigs: 5–10 g, i.e. a flat coffee spoon 1–2 times a day, depending on the size.
Piglets: 1–3 times a day one knife point to the smallest ones. 3–5 g per day, i.e. less than or a flat coffee spoon once a day.
Dogs: 1–5 g per day, i.e. twice the knife point up to the flat coffee spoon once a day, depending on the size.
Poultry: 0.5–1.5 g per day, i.e. one heaped coffee spoon for 10 hens or for 50–100 chickens per day.

STORAGE
On a dry place, in intact, duly sealed original packages at the temperature up to 25 °C.

SHELF LIFE
36 months.

PACKAGE
1 kg, 5 kg

Product intended for prophylaxis and therapy of diseases caused by the deficiency of the vitamin E and selenium

VITA E SELEN

solution for injection

COMPOSITION

1 ml of injection solution contains:

Alpha-tocopherol acetate 25 mg
Sodium selenite 2.2 mg
(equivalent to 1 mg of selenium)

TARGET SPECIES

Lambs, calves, young cattle, cows, pigs.

INDICATIONS

Prevention and therapy of diseases associated with deficiency of vitamin E and selenium, especially muscular dystrophy in young livestock; beneficial effect on the reproduction of cows.

DOSAGE

Animal species	Dose - prophylactic	Dose - therapeutic
Lambs up to 3 weeks of age	1 ml	2 ml
Lambs over 3 weeks of age	2 ml	4 ml
Calves, young cattle	10 ml/100 kg bw	20 ml/100 kg bw
Piglets	1 ml/10 kg bw	2 ml/10 kg bw
Cows (3 weeks before calving)	20 ml	

METHOD OF ADMINISTRATION

Intramuscularly into the neck muscles.

WITHDRAWAL PERIODS

Meat: 30 days
Milk: none

SHELF LIFE

Shelf-life 2 years, after first opening of the immediate packaging: 28 days.

STORAGE

Store at temperature below 25 °C, do not freeze, protect from light.

PACKAGE

50 ml and 100 ml in brown glass vials.

Well-balanced mineral supplement for wide spectrum of targets species

VITAPLASTIN FORTE

mineral food complement

COMPOSITION
Calcium carbonate,calcium dihydrogen and hydrogen phosphate monohydrate, calcium-magnesium carbonate, iron sulfate monohydrate, iron(III)oxide, zinc oxide (ZnO), zinc and amino acid n-hydrate chelate complex, iron and amino acid n-hydrate chelate complex, vanilla flavor, copper(II), copper and amino acid n-hydrate chelate complex, manganese (II)oxide, manganese and amino acid n-hydrate chelate complex, potassium iodide
Completion of mineral substances into the feeding dose.
Perorally in feed.

TARGET ANIMAL SPECIES
Horses, Cattle, Sheep, Goats, Pigs, Dogs, Silver Foxes, Rabbits, Poultry and Exotic Birds.

DOSAGE
Horses, cattle: 30–60 g per day, i.e. one heaped tablespoon 1–2 times a day. In large-capacity breeding farms one ½ liter bottle of powder 1–2 times a day per each 10–14 cows.
Foals, calves: 10–30 g per day, i.e. a heaped coffee spoon 1–3 times a day, depending on the size.
Sheep, goats: 10 g per day, i.e. a flat coffee spoon 2 times a day. Lambs: 1–3 times a day one knife point to the smallest ones. 3–5 g per day, i.e. less than or a flat coffee spoon once a day.
Pigs: one flat coffee spoon 1–2 times a day, or one heaped coffee spoon per each 3 heads, 3 times a day /5–10 g/.
Piglets: 1–3 times a day one knife point to the smallest ones. 3–5 g per day, i.e. less than or a flat coffee spoon once a day, or one heaped coffee spoon per each 3 heads, 1–2 times a day.
Dogs, silver foxes: 1–5 g per day, i.e. one knife point 2 times a day, up to one flat coffee spoon once a day.
Rabbits: one knife point once a day.
Poultry: 0.5–1.5 g per day, i.e. one knife point 1–3 times a day, or one flat to heaped coffee spoon for 10 hens or for 50–100 chickens per day. Proportionately more to ducklings or goslings, depending on their body weight.
Exotic birds: one knife point into 100 g of soft feed.

STORAGE
On a dry place, in intact, duly sealed original packages at the temperature up to 25 °C.

SHELF LIFE
36 months.

PACKAGE
1 kg, 5 kg.

Minerals in tablets for correct dosage and easy administration

VITAPLASTIN tbl.

mineral food complement

COMPOSITION
Calcium carbonate, dried blood plasma, calcium dihydrogen and hydrogen phosphate monohydrate (monodicalcium phosphate), calcium-magnesium carbonate.

Nutritional supplementary substances
iron, iron(III)oxide (Fe_2O_3), iron and amino acid n-hydrate chelate complex
iodine, copper, copper and amino acid n-hydrate chelate complex ($Cu(x).n\ H_2O$)),
manganese (manganese (II)oxide (MnO), manganese and amino acid n-hydrate chelate complex, zinc (zinc oxide (ZnO), zinc and amino acid n-hydrate chelate complex ($Zn\ (x)_{1-3}.n\ H_2O$)), vanilla flavor

Completion of mineral substances into the feeding dose. Perorally in feed.

TARGET ANIMAL SPECIES
Dogs, silver foxes and cats.

DOSAGE
Dogs, silver foxes: 2 – 6 tablets daily according to an animal's weight.
Cats: 2 tablets daily.

STORAGE
Store in a dry place, in an undamaged, duly sealed original packages, at the temperature up to 25 °C.

SHELF LIFE
36 months.

PACKAGE
150 tablets in a box.

JOINT NUTRITION

15

HYALCHONDRO DC Plus
HYALCHONDRO EC Plus
HYALURONAN BIOVETA 10 mg/ml

A high complementary feed supplement providing a painless aid for maintaining healthy joints

THE PRODUCT DOES NOT CONTAIN ANY DOPING SUBSTANCES!

HYALCHONDRO DC Plus

food supplement for dogs

■ for all puppies up to three months of age to fortify and support healthy development of the locomotor system,
■ for all breeds of dogs to increase resistance during sport and work activities, since the unique combination of HCK with manganese positively influences metabolism of collagen, production of body connective tissues, mainly formation of cartilage,for all older dogs and dogs after an injury since combination of HCK with vitamin E and manganese increases the resistance of the organism during stress conditions and positively influences the course of osteoarthritis therapy

COMPOSITION

Hyaluronan – chondroitin complex, invert sugar with reduced glycemic index (glucose, fructose), vitamin E (as DL-alpha tocopherol acetate), manganese (in the form of manganese sulphate, monohydrate), stabilisers.
Peroral emulsion.

INDICATION

Food supplement is specifically intended to support correct development and function of the locomotor system in all dog species. It is used in case of increased demands on the locomotor system of the dogs in the period of growth, in case of training and working exertion, after injuries to support and restore function of the locomotor system. It is appropriate to use the product also in older dogs and in dogs in recovery after injuries or in the period after previous joint procedure or operation, where the usage of the product results in higher quality and longer active life of the dog. The main active ingredient of the product is hyaluronic acid together in a complex with chondroitin sulphate. The maximal efficiency of the product is ensured with higher concentration of two main components of the joint nutrition. The product is also enriched with vitamin E and manganese. The unique combination of the aforementioned substances ensures, apart from the support of correct development and function of the locomotor system, also the improvement of the physical condition of the dogs, it also increases resistance of the organism during exertion, during growth, training and after previous joint disorders.

RECOMMENDED DOSAGE

Up to 10 kg	1 ml/day
10–30 kg	2 ml/day
30–50 kg	3 ml/day
50–70 kg	4 ml/day

Single dose before feeding or together with feed for a period of 30 days continuously.

SHELF LIFE

24 months, after the first opening 6 months.

STORAGE

Keep at a temperature below 25 °C. Protect from light.

PACKAGE

120 ml.

A food supplement improving quality of the joint cartilage for painless movement

THE PRODUCT DOES NOT CONTAIN ANY DOPING SUBSTANCES!

HYALCHONDRO EC Plus

food supplement for dogs

COMPOSITION

Peroral emulsion
Hyaluron – Chondroitin – Complex with manganese and vitamin E. A unique food supplement supporting development and maintaining healthy locomotor system in all categories of sport and labour horses and ponies
HYALCHONDRO EC plus is suitable especially for:
sport, racing and saddle horses prior to the initiation and during the season, young horses and ponies to support healthy development of the locomotor system. labour breeds and older horses to extend active age.
all horse breeds in the period of recovery after a previous disease or surgical procedure on the locomotor system.

INDICATION

Food supplement is specifically intended to support correct development and function of the locomotor system in all horse breeds. It is used in case of increased demands on the locomotor system of horses, in the period of growth to strengthen and support quality development of the locomotor system, in case of training or work strains, after injuries and after operations on the locomotor system. It may be used in all age categories of horses.
A unique combination with manganese positively influences the metabolism of collagen, production of connective tissue in the body, especially formation of cartilage. Vitamin E has a positive effect on the course of osteoarthritis and also acts as a strong anti-oxidant protecting the body against free radicals. Vitamin E also increases the resistance of the organism during strenuous conditions during the period of growth and training. The product may be administered during the whole year. It is intended for all sport, racing and labour breeds of horses, possibly for ponies, as well as to older horses to extend their active age.

DOSAGE

In order to achieve a maximal effect, it is recommended to administer the preparation at least for a period of 30 days, best before the morning feeding or together with feeding. The product may be administered throughout the whole year; we recommend at least one to two 30-day cycles a year depending on the exertion of the horse.

All categories of horses
15 ml / day Continually for a period of 30 days
All categories of ponies
10 ml / day Continually for a period of 30 days

SHELF LIFE

2 years. Use within 6 months after 1st opening.

STORAGE

Keep at a temperature below 25 °C. Protect from light.

PACKAGE

2×225 ml.

A low molecular hyaluronan for rapid efficacy of safe intravenous administration

HYALURONAN BIOVETA 10 mg/ml

solution for injection

COMPOSITION
1 ml of the solution for injection contains *sodium hyaluronate* 10 mg
Solution for injection.
Clear colourless fluid.

TARGET SPECIES
Horses, dogs, cats.

INDICATIONS
Orthopaedic:
- Acute and chronic osteoarthritis, polyosteoarthritis, subacute and chronic arthritis
- Acute and chronic tendovaginitis, tendinoses and bursitis
- Osteochondroses

Ophthalmologic:
- Acute and chronic keratitis
- Conjunctivitis, keratoconjunctivitis
- Dry keratoconjunctivitis
- Corneal ulcer, corneal injury

DOSAGE
Method of administration:
1) Intravenous (subcutaneous) administration
a) Horses:
Dose: usually 6 ml (60 mg).
Number of doses: 3–7 doses, optimum 5.
Interval between doses: 3–9 days, optimum 7.

b) Dogs, cats:
Dose: slightly lower, usually 3–5 ml.
Number of doses: 3–7 doses, optimum 5.
Interval between doses: 3–9 days, optimum 7.

2) Topical administration to the conjunctival sac:
Dose/number of doses: 1–2 drops to the eye (conjunctival sac) every 2–12 hours.
Period of administration: 5–60 days, possibly permanently (acute inflammation 5–7 days, chronic inflammation until improvement/cure).

SHELF LIFE
Shelf life of the veterinary medicinal product in intact package: 2 years. The product must be used immediately after first opening of the immediate packaging.

STORAGE
Store at a temperate below 25 °C. Protect from light. Do not freeze.

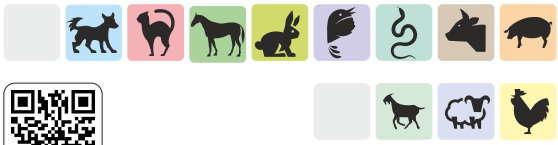
PACKAGE
5 × 6 ml.

DERMATOLOGICS

16

ALAPTID
BIODEXIN ear lotion
BIODEXIN shampoo
BIOPIROX 10 mg/ml
OTIBIOVIN ear drops, solution
OTIMIX ear drops, suspension
OTIPUR ear drops, solution
OTOFINE
PIX - FAGI

Original dermatologic with wound healing effects



ALAPTID®

veterinary ointment

COMPOSITION
Composition 100 g:
Alaptidum – 1 g
Excipients – Polysorbate 60, Cetostearyl alcohol, Paraffin liquid, Propylene glycol, Methyl parahydroxybenzoate, Propyl parahydroxybenzoate, Water for injections.

CHARACTERISTICS OF THE MEDICINAL PRODUCT
Alaptide (spirocyclic synthetically prepared dipeptide) stimulates the growth of granulation tissue, accelerates the epithelisation process and the course of wound healing.

INDICATION
A cosmetic veterinary product, which can be used in all warm-blooded non-food animals to treat mild injuries to the skin and mucous membranes, burns, excoriations, frost bites, pressure ulcers, acid burns in canine footpads from salt in the winter period, etc.

DOSAGE
Externally on skin. Apply the ointment in a layer of 2–3 mm on the skin site; possible slightly wrap with a bandage and keep on site for the required period to support wound healing with occasional controls. In cases, when bandage cannot be used, the ointment is applied 2 times a day or as required. The application period depends on the extent of injured site and the regeneration state. The usual application length varies from 3 – 10 days; longer in chronic neglected cases.

STORAGE
Store at the temperature from 10 °C to 25 °C.

SHELF LIFE
36 months, after the first opening 28 days.

PACKAGE
1 × 20 g.

Antibacterial and antimycotic active agent chlorhexidin digluconate solution 0.1 % and essence of *Melaleuca alternifolia* acting against bacteria and yeasts *Malassezia pachydermatis*

BIODEXIN ear lotion

solution

COMPOSITION
100 ml of the product contains: *Chlorhexidine digluconate* solution 0.5 ml, Australian tea tree oil, dexpanthenol, propylene glycol, Cremophor RH 40, phenoxyethanol, ethylhexyl glycerol, alpha tocopherol, acetic acid 99%, sodium acetate trihydrate, purified water.

Ear solution.

TARGET SPECIES
Dog.

INDICATION
The product is intended for application into the external auditory canal of dogs.

DOSAGE
Apply 5–8 drops into dog ears. Rub the auditory canal and let the dog shake the medicinal product out. Possible residues of the medicinal product and earwax can be removed by a cotton swab. The procedure can be repeated twice a day. If the symptoms are not improved, seek help from a veterinarian.

SHELF LIFE
24 months.

STORAGE
Store in the original container.
Store below 25 °C.
Protect from light and frost.

PACKAGE
100 ml.

The product contains four percent of the very active antiseptic agent called chlorhexidine

BIODEXIN shampoo

COMPOSITION
100 ml of the medicinal product contains:
Chlorhexidine digluconate solution, decyl glucoside, cocoamidopropyl betaine, sodium chloride, cocamine oxide, PEG-7 glyceryl cocoate, laureth-4, PEG/PPG-120/10 trimethylolpropane trioleate, laureth-2, glycerol 85%, benzyl alcohol, methylchloroisothiazolinone, methylisothiazolinone, acetic acid 99%, Briliant Blue FCF, purified water.

TARGET ANIMALS
Dog, cat.

The medicinal product contains solution of the antiseptic substance chlorhexidine in the shampoo base. Thanks to a strong antiseptic effect the medicinal product can be used, where the washing, antiseptic and deodorant effect has to be combined.

INDICATION
Intended for washing coat and skin of dogs and cats, where the antiseptic, cleaning and deodorant effect is needed.

DOSAGE
Apply small amount of the medicinal product uniformly on the wet animal hair, massage until foam is created. Let act for 5–10 minutes, then flush the animal by water thoroughly. Washing can be repeated in several days, if necessary. When handling the animal, prevent eye contact with the medicinal product.
In case of accidental eye contact, flush eyes with clean water flow.

STORAGE
Store below 25 °C. Store in a well sealed primary container. Protect from light. Protect from frost.

SHELF LIFE
24 months.

PACKAGE
250 ml, 500 ml.

No mutagenic, teratogenic, carcinogenic effects have been reported

BIOPIROX 10 mg/ml

cutaneous spray, solution

Piroctolamine

COMPOSITION
1 ml of the product contains piroctolamine 10 mg/g

Cutaneous spray, solution. Clear to slightly opalescent solution.

TARGET SPECIES
Dog, cat, non-food furry animals and small non-food animals.

INDICATION
Treatment of fungal skin diseases caused by dermatophyte fungi in dogs, cats, furry and small animals.

DOSAGE
The product should be applied to affected sites by spraying from a distance of 10–20 cm, at least 4 times in 2 to 4-day intervals until disappearance of clinical symptoms.

The highest daily dose and the maximum dose for the whole treatment:
It is recommended to apply the product repeatedly not earlier than 2–4 days after the first application and to one quarter of the body as a maximum.
Method of administration – dermal, by spraying.

SHELF LIFE
24 months.

STORAGE
Store below 25 °C.
Do not freeze.

PACKAGE
100 ml.

Logically first step in management of the otitis externa in dogs

OTIBIOVIN ear drops

solution

COMPOSITION

Composition – 1 ml:

Triamcinoloni acetonidum	0.5 mg
Acidum salicylicum	5 mg
Gentamicini sulfas	2 mg
Carbethopendecinii bromidum	0.125 mg

Ear drops, solution. Colourless, slightly turbid solution.

TARGET SPECIES

Dogs, cats.

INDICATION

Otitis externa caused by microorganisms sensitive to the active substances of the product.

DOSAGE

Apply 4–5 drops of the product into the ear canal 3 to 4 times a day at the beginning of treatment, 2 to 3 times a day after 3 days. Then gentle massage around the ear is recommended so that the product can better penetrate the tissues. In case of neglected, crusted conditions it is recommended to soften the tissue first and remove crusts with forceps.

Treatment usually lasts 5 to 7 days, but maximally 12 days (3 days after disappearance of clinical symptoms).

SHELF LIFE

24 months, after first opening the immediate packaging 12 days.

STORAGE

Store below 25 °C.
Protect from light.

PACKAGE

15 ml.

The right mix of the three active ingredients

OTIMIX ear drops

suspension

COMPOSITION
Composition – 1 ml:
Miconazoli nitras 23 mg
Polymyxini B sulfas 5500 IU
Prednisoloni acetas 5 mg

Ear drops, white suspension.

TARGET SPECIES
Dogs.

INDICATIONS
Otitis externa caused by microorganisms sensitive to the active substances of the product.

Gram positive microrganisms:
Staphylococcus spp.
(particularly *S. intermedius, S. pseudointermedius* a *S. aureus* including MRSA)
Streptococcus spp. – hemolytic strains

Gram negative microorganisms:
Pseudomonas aeruginosa, E. coli, Enterococcus spp.
Yeasts
Malassezia pachydermatis.
The content of the corticosteroid prednisolon suitable improve inflammatory reaction.

DOSAGE
The drops administer into the ear canal after the cleaning with the cleaning solution. The base of the ear massage carefully after administration.
Apply drops of the suspension into the ear canal, repeat administration twice a day, in the interval of the 12 hours.
The product apply 7 days.
In case of the inflammatory signs continue in the management the other 3–5 days.
The way od the administration:
Topically into the ear canal.

SHELF LIFE
24 months.

STORAGE
Store below 25 °C.

PACKAGE
15 ml, 30 ml.

It dissolves cerumen and impurities and enables further treatment of possible otitis

OTIPUR ear drops

solution

The product for the gentle cleaning of the external auditory canal of the dogs and cats.

COMPOSITION

1 gram of the drops contains:

lactic acid	10.0 mg,
salicylic acid	1.2 mg,
Carbethopendecinium bromide	5.0 mg,
Propylene glycol	ad 1.0 g

TARGET SPECIES

Dog, cat.

INDICATION

The preparation is intended for carefully cleaning of meatus acusticus externus in dogs and cats. It dissolves cerumen and impurities and enables further treatment of possible otitis.

DOSAGE

Apply a gentle pressure to the applicator and apply the preparation into the external auditory canal. Softened crusts and surface cerumen should be removed with pliers in neglected cases. Massage carefully the affected spots in order to release cerumen and remove it with a tampon until acoustic meatus is free.

SHELF LIFE

18 months.

STORAGE

Store below 25 °C, the preparation should not be allowed to freeze!

PACKAGE

60 g, 200 g in a plastic bottle with dropper.

Herbal essential oils soothe and promote healing

OTOFINE

ear lotion

COMPOSITION
Composition of the product in 100 ml:
Propylene glycol 40.0 g; (±) - alpha-bisabolol 100 mg; fluid alcoholic calendula extract 3.0 g; lavender essential oil 100 mg; basil essential oil 280 mg; macrogol 7 glycerol cocoate; acidifier; disodium edetate dihydrate; foaming regulator; purified water.

TARGET SPECIES
Dogs, cats.

INDICATION
OTOFIN ear lotion dissolves ear wax, cleans the outer ear canal of your dog or cat and leaves the skin supple and fragrant. Regular use helps keep the ears clean and healthy. Calendula, lavender, basil, and propylene glycol are known for their ability to reduce the numbers of bacteria and yeasts, they also act against some viruses and mites. Calendula and alpha-bisabolol have a proven anti-inflammatory and soothing effect.

DOSAGE
Routine use to maintain the ears healthy and clean: once a week
In case of excessively dirty ears, the product can be applied once daily for 8 days, upon consultation with a veterinarian.

Fill in the external ear canal with the product and gently massage its flexible part. Allow the animal to shake its head and wipe dissolved impurities running out of the ear with a cotton swab. Repeat the procedure in case of very dirty ears.

SHELF LIFE
24 months.

STORAGE
Store below 25 °C.
Protect from light and frost

PACKAGE
100 ml.

The most common indication for use of Pix-Fagi spray is hoof rot shot

PIX-FAGI Bioveta 200 mg/g

cutaneous spray, solution

COMPOSITION
Composition in 1 g:
Active substance
Fagi pix 200 mg

Cutaneous spray, solution
Brown, slightly opalescent to cloudy liquid

TARGET SPECIES
Non-food warm-blooded animals, except felines.

INDICATION
Diseases of the hoof and claw where treatment with tar is indicated, hoof surgery, treatment of hoof defects, treatment following regular trimming of hoofs, fastening of hoof dressings and covering bandages. Dermatomycoses in animals, especially in the early stages or during sequential therapy, when the drying properties of tar are manifested favourably.

Treatment – psoriasis vulgaris, lichen infected atopic dermatitis, lichen simplex chronicus, lichen planus, seborrhoeic dermatitis.

Replacement of woven bandage; an anti-adhesive brown surface film, which repels water, is made after evaporation of solvent. Tar has favourable drying properties.

DOSAGE
Shake well before use.Apply by spraying from a distance of 15–20 cm, avoid useless running down. When treating claws and hooves it is preferable to create 2–3 layers (apply the following layer only after the previous one has dried completely).
Using the product does not affect the overall health of animals during pregnancy due to the relatively small application area

WITHDRAWAL PERIOD
Not intended for food-producing animals.

SHELF LIFE
2 years.

STORAGE
Store below 25 °C. Protect from light and radiant heat sources. The product is a Class 1 combustible!

PACKAGE
160 g – in hardened plastic HDPE vials of 250 ml with a mechanical pump.

ANTISERA

17

CLOTEAN
IMULYZIN
POLYEQUAN
POLYGLOB

High quality tetanus antitoxin for prophylactic and therapeutical administration

CLOTEAN inj. ad us. vet.

Serum against tetanus

COMPOSITION
Active substance:
Immunoserum tetanicum equinum nativum
min. 300 IU/1 ml

INDICATION
For passive immunization of animals during surgery, injuries, etc. The preparation can be used for therapeutic purposes at the onset of tetanus.

TARGET SPECIES
Horse, cattle, sheep, goat, pig, dog, cat and, if necessary, other affected animal species.

DOSAGE
Subcutaneously, intramuscularly and intravenously.

Prophylactic

Large animals	4 000–6 000 IU (13–20 ml)
Small animals	2 000–3 000 IU (7–10 ml)

Therapeutic

Large animals	40 000 IU (140 ml)
Small animals	20 000 IU (70 ml)

The therapeutic doses are applied daily for 2–4 days and then depending of the health conditions of the treated animal.

STORAGE
Store at a dark and dry place at the temperature between 2 °C and 8 °C. Keep out of the reach and sight of children.

SHELF LIFE
Shelf-life – 24 months, after the first opening – 14 days.

PACKAGE
1 × 20 ml, 5 × 20 ml, 1 × 100 ml.

The product extends the passive protection of the animal and increases the effect of homologous antibodies

IMULYZIN

suspension for injection

COMPOSITION

1 ml of the product contains :

Immunoglobulini bovini solutio (as γ-globulins)	min. 0.06 g
Lysinum (as 200 mg *Lysini hydrochloridum*)	0.16 g

TARGET SPECIES

Cattle.

INDICATIONS

1. For protective administration against infectious diseases of the respiratory tract and diarrhoeal diseases in calves, during the states of hypo and agammaglobulinaemia, during various states of emergency and general debilitation.

2. As part of comprehensive treatments (supportive therapy). The product is administered in case of epidemic waves, or at critical times of the year, or for regular treatment of each batch of calves according to the situation.

DOSAGE

1. Preventive administration:

Calves under 10 days	10–15 ml
Calves over 10 days	15–30 ml

The minimum dose is 0.2 ml per 1 kg of body weight to each newly born individual as soon as possible after birth or to each individual included in common stabling, preferably before collection, or after acceptance in the stable, preferably within 24 hours after acceptance. It is recommended to repeat the dose between days 10 and 20 after the first administration.

2. Therapeutic administration:

Calves under 10 days	15 ml
Calves over 10 days	25 ml
Other cattle categories	30 ml

For therapeutic use it is recommended to repeat the dose 2–3 days later. The basic dose can be increased in cases determined by a veterinary surgeon.

Higher doses should be administered in divided portions applied to more sites.

Immunity develops shortly after administration and lasts for 2–3 weeks.

METHOD OF ADMINISTRATION

Subcutaneous or intramuscular administration.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life 2 years and after first opening 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C), protect from frost and light.

PACKAGE

100 ml in glass vial.

The content of antibodies against most common causes of neonatal infection in foals

POLYEQUAN inj. ad us. vet.

Serum against foal paralysis

COMPOSITION

Composition – 100 ml:
Active substances
Immunoserum anti Escherichia coli, Salmonella abortus equi, Streptococcus equi, Actinobacillus equinum nativum 100 ml

TARGET SPECIES

Foals.

INDICATION

Passive immunization of foals when breeding is endangered or in case of illness induced by *E. coli, Salmonella abortus equi, Streptococcus equi, Actinobacillus equinum nativum germs.*

DOSAGE

Preventive

Foals aged up to 1 week	25 ml
Foals aged 1 week and above	50 ml

Therapeutic

Double doses should be applied, half of it subcutaneously and the rest intravenously.
The application can be repeated, if necessary.
Subcutaneous or intravenous application should be used.

SHELF LIFE

2 years,
after first opening – 10 hours.

STORAGE

Keep in a dry and dark place at of 2 to 8 °C.

PACKAGE

50 ml, 100 ml.

Effective protection of puppies against most common viral infection

POLYGLOB

solution for injection, for dogs

COMPOSITION

Active Substances:

Immunoglobulinum contra Febris contagiosae canis min. 160 VNA_{50}

Immunoglobulinum contra Parvovirosis canis min. 1024 HIU

Immunoglobulinum contra Hepatitis contagiosae canis at Laryngotracheitis canis min. 160 VNA_{50}

Immunoglobulinum contra Parainfluensis canis min. 64 HIU

TARGET SPECIES

Dog.

INDICATIONS FOR USE, SPECIFYING THE TARGET SPECIES

Supportive therapy and passive immunoprophylaxis in dogs suffering from or being at risk of distemper, parvovirosis, hepatitis, laryngotracheitis and parainfluenza.
High levels of antibodies prevent the occurrence of these diseases or palliate their course.

DOSAGE

The preventive dose is 0.4 ml per 1 kg of body weight; it should be applied repeatedly at the interval of 48 hours.
The therapeutic dose is 0.4 ml per 1 kg of body weight of the treated animal; it should be applied at 24-hour intervals until improvement of health, but for 5 days as a maximum.

The product can be administered intravenously and intramuscularly.
Intravenous administration induces an immediate onset of passive immunity and provides the highest degree of availability of administered immunoglobulins.

SHELF LIFE

Shelf-life of the veterinary medicinal product as packaged for sale 2 years, after first opening the immediate packaging: 10 hours.

STORAGE

Store in a refrigerator (2 °C – 8 °C).

PACKAGE

1 × 5 ml.

ENVIRONMENTAL DISINFECTANTS AND INSECTICIDES

18

BIO KILL insecticidum
IVASAN pets
IVASAN farm
IVASAN spray

The composition is odorless, harmless to humans and warm-blooded animals, effective against all known species of insects and developmental stages

BIO KILL insecticidum

product for disinsection

COMPOSITION
Active substance: Permethrine 2,5 g (0,25 %) in water emulsion.

CHARACTERISTICS
BIO KILL is a insecticidal spraying preparation with a long-term effect. It is determined for use against insects in households, health service establishments, food- processing plants, social plants, social institutions, against cockroaches, kitchen cockroaches, flies, mosquitos, bed-bugs, fleas, moths, ants, wasps, silver fish, mites, vermins of food and fabrics

INSTRUCTIONS BEFORE APPLICATION
Shake before application
Apply the preparation from distance of about 30 cm to all places where insects stay and shelter.
The attended area should be evenly wet. The preparation has no odour and it doesn´t keep visible traces.
Repeat the spraying after 3–4 weeks or in case of recurrence of insects.

a) Against cockroaches and kitchen cockroaches – apply in form of strips in the cornes of the room, on door and window casing, around litter bins, washbasins, sewerage, distribution of heat and hot water
b) Against flies and mosquitos – apply on places where they usually seat, i.e. on window casing, ceiling, around droplight etc.
c) Against fleas apply on the whole floor, carpet, resting place of pets
d) Against other species – apply direct to a place of their occurence.

PACKAGE
100 ml, 200 ml, 450 ml – in white polyethylene bottle with mechanical spraying apparatus
1000 ml, 5000 ml – in white polyethylene bollte with a top

STORAGE
At temperature of 10–40 °C.

SHELF LIFE
36 months.

Not intended to administration on skin or coat of domestic animals.
Toxic for cats, eliminate the contact of cats with the insecticide.

Long lasting, residual effect – polymer layer reduces the possibility of pathogens adhesion

IVASAN pets

The concentrated liquid **disinfectant IVASAN Pets** is used to disinfect all washable surfaces and medical equipment in veterinary clinics, veterinary hospital facilities and public spaces in which it prevents infections caused by viruses, bacteria and fungi and prevents their spread.

Treated surfaces (plastic, metal, wood, fabric, leather ...) do not change their colour and properties, their properties are not disturbed, the product is noncorrosive and nonflammable.

The product can be applied in the presence of people and animals, it does not irritate the skin and mucous membranes.

ACTIVE SUBSTANCE

alkyl(C12-16) dimethylbenzyl-ammonium chlorides – 0.15 g/100 g

Excipient: PHMG - polyhexamethylene guanidine hydrochloride

The product has characteristic long-lasting antibacterial (G^+ and G^- bacteria, tuberculosis bacteria), antiviral and antifungal effects. Existence of resistant germs has not yet been reported. IVASAN Pets is intended not only for professional use, especially for the needs of veterinary clinics (outpatient clinics, veterinary hospitals, operating rooms, waiting rooms) and laboratories, but also for shelters, larger breeding facilities and households.

Thanks to its safety, the product is suitable for disinfection of transport boxes, cages, terrariums, delivery pens, toilets and breeding tools (combs, toys, beds for pets, harnesses, undersaddle pads...).

INSTRUCTIONS FOR USE AND DOSAGE

The product may be applied with a brush, mop, cloth, or fogging machine, by spraying, washing, or immersion. The product can be used for manual as well as mechanical disinfection (WAP). It is not necessary to ventilate rooms after application. Prepare solution from 30-50 ml of the concentrate and 1 litre of water.

DILUTION OF WORKING SOLUTIONS

- Preventive and continuous disinfection: 3% solution (0.3 litre/10 litres of water)
- Focal and final disinfection: 5% solution (0.5 litre/10 litres of water)

Do not wash the surface immediately after treatment. The shortest exposure time is 15 minutes. The water temperature does not influence the product effect. The product can be used together with conventional detergents, but cannot be mixed with other disinfectants.

The time period needed for the biocidal effect – at least 15 minutes.

STORAGE

Store at 10–25 °C. Do not expose the product to direct sunlight.

SHELF LIFE

24 months.

PACKAGE

HDPE bottle 1000 ml, can 3000 ml.

Active substances with antimicrobial activity or the ability to inhibit the growth of microorganism

IVASAN farm

Ivasan Farm is a liquid , water-soluble product intended for professional disinfection and hygienic sanitation of surfaces, spaces and technological equipment on animal farms and for disinfection of vehicles used for animal transport and feed stores.

ACTIVE SUBSTANCE

alkyl(C12-16)dimethylbenzyl-ammonium chlorides – 0.25 g/100 g.

Excipient: PHMG – polyhexamethylene guanidine hydrochloride

The product has characteristic long-lasting antibacterial (G^+ and G^- bacteria, tuberculosis bacteria), antiviral and antifungal effects. Existence of resistant germs has not yet been reported. Thanks to its unique properties, the product has a strong biocidal effect on viruses, bacteria and fungi, in full compliance with the current safety for humans, animals and plants.

In recommended concentrations, the product can be used in breeding facilities in the presence of animals. IVASAN Farm does not contain chlorine, has almost neutral pH, is colourless and odourless, which means the maximum environmental friendliness. It does not damage disinfected materials, does not change their colour and is not corrosive.

- Disinfection of livestock buildings (walls, floors, milking equipment)
- Disinfection of technological equipment (feeders, drinkers, fencing of pens, air conditioning)
- Disinfection of vehicles intended for animal transport
- Disinfection of hatcheries (walls, floors, incubators)
- Disinfection continuous, focal and final (virucide, bactericide, fungicide)

INSTRUCTIONS FOR USE AND DOSAGE

IVASAN Farm can be used in fogging equipment forming fog and thermal fog, in high-pressure apparatuses, by spraying, washing objects and immersion in the solution. The minimum time period needed for the biocidal effect is 15 minutes after application. Treated surfaces need not be washed subsequently.

DILUTION OF WORKING SOLUTIONS

- disinfection at low load conditions: 1% solution (0.1 litre/10 litres of water)
- fogging in the presence of animals: 2% solution (0.2 litre/10 litres of water)
- continuous preventive disinfection: 3% solution (0.3 litre/10 litres of water)
- focal and final disinfection: 5% solution (0.5 litre/10 litres of water)
- additive to water-based paints: 5% solution (0.5 litre/10 litres of water)

STORAGE

No special precautions are necessary. Store at 10–25 °C. Do not expose the product to direct sunlight.

SHELF LIFE

24 months.

PACKAGE

Can 5 l, can 10 l.

No toxic components, contains no phenols, aldehydes or esters, colourless, odorless

IVASAN spray

The liquid disinfectant effective against viruses, bacteria and fungi is intended for direct spraying in veterinary and breeding facilities. The product does not contain chlorine, is nonflammable, colourless and odourless.
It disinfects and removes odours from investigation tables, transport boxes, beds for pets, pens, terrariums and breeding tools, including bowls.
The **IVASAN spray** does not damage any material and is therefore ideal for the disinfection of contaminated furniture, carpets, mattresses and other materials from which it also removes odour. Treated materials do not change their colour and are not otherwise damaged.
After treatment, a thin polymer layer is formed on the surface, which eliminates biological contamination (bacteria, viruses, moulds, fungi) on the treated surface after the prescribed exposure time. The layer protects up to several days and reduces the risk of recontamination.
The polymer layer can be rinsed off with water after the prescribed time of action.

ACTIVE SUBSTANCE
alkyl(C12-16)dimethyl-benzylammonium chlorides – 0.025 g/100 g
Excipient: PHMG – polyhexamethylene guanidine hydrochloride.

The product has characteristic long-lasting antibacterial (G^+ and G^- bacteria, tuberculosis bacteria), antiviral and antifungal effects. Existence of resistant germs has not yet been reported.

INSTRUCTIONS FOR USE AND DOSAGE
Spray on smelly and dirty places and let it act for at least 15 minutes. It is not necessary to wash or otherwise treat the treated place after application.
In the event that your four-legged friend fouled its crate or bed, it is good to apply the IVASAN Spray and let it act for at least fifteen minutes before washing. This method of application ensures a hundred percent cleanness without any odour. The IVASAN Spray is also gentle to small mammals, birds and reptiles, so it can safely be used to disinfect their breeding facilities.
After a short exposure wipe or rinse the product of the treated surface, and the surface can come into immediate contact with an animal.
The time period needed for the biocidal effect – at least 15 minutes.
No probable direct and indirect adverse side effects are known.

STORAGE
No special precautions are necessary. Store at 10–25 °C. Do not expose the product to direct sunlight.

SHELF LIFE
24 months.

PACKAGE SIZE
500 ml.

OTHERS

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AQUA VIVA
COFFEINUM BIOVETA 125 mg/ml
JODOUTER 100 mg/ml
LOTAGEN 360 mg/ml
LOTAGEN injector
PENBITAL 400 mg/ml
PROFYMAST emulsio

Rehydration water-soluble pulvis for peroral using in calves with basic pH

AQUA VIVA

powder for oral solution

COMPOSITION

1 bag 83,7 g contains:

Natrii citras anhydricus	3.92 g,
Natrii acetas anhydricus	3.28 g,
Natrii propionas	1.92 g,
Kalii chloridum	2.98 g,
Natrii chloridum	4.68 g,
Kalii dihydrogenophosphas	1.36 g,

Flavum orangeatum
Silica colloidalis anhydrica,
Glucosum anhydricum

TARGET SPECIES

Cattle-calves.

INDICATIONS

The veterinary medicinal product reverses dehydration and acidosis and replaces lost electrolytes in case of diarrhoea in calves resulting from nutritious, bacterial, viral or cryptosporidious effects.

DOSAGE

One bag represents one dose. The product is designed for peroral administration only. Prepare a fresh solution by mixing the contents of one bag with 2 litres of water (about 30–37 °C).

- at first signs of diarrhea, stop feeding milk or milk substitute and administer 2 litres of the dissolved
- formulation 2× a day for 2 days (4 feedings).
- then administer 1 litre of the formulation mixed in 1 litre of milk substitute for 2 days (4 feedings).
- then continue normal feeding.

If the diarrhea is lingering or obstinate and causes serious dehydration, administer 2 litres of the solution 3–4× a day. Do not administer the preparation separately for a period longer than 4 days.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life in an intact package: 24 months, up the prepared solution within 24 hours.

STORAGE

Store below 25 °C and keep in dry place and protect for light.

PACKAGE

1 × 83,7 g in multi-layered PE/Al/paper bag.

Injection product containing the central analeptic – coffeine – intended for support of heart action

COFFEINUM BIOVETA 125 mg/ml

solution for injection

COMPOSITION
1 ml of injection solution contains: *Coffeinum anhydricum* 125 mg.

TARGET SPECIES
Horses, cattle, pigs, sheep, goats, dogs and cats.

INDICATIONS
Total acute physical weakness, collapse or shock as a manifestation of depression or paralysis of central nervous system (after exhaustive exercise, poisoning or severe disease), surgical coma, heart insufficiency (especially of bradycardial type) and other cases of injury or exhaustion, depressive states, to reduce the awakening from general anaesthesia.

DOSAGE
Horse: 10–20 ml s.c., i.m. (5–10 ml i.v.)
Cattle: 20–40 ml s.c., i.m. (10–20 ml i.v.)
Pig, sheep, goat: 2–8 ml. s.c., i.m. (1–4 ml i.v.)
Dog: 0,5–2 ml s.c., i.m. (0,25–1 ml i.v.)
Cat: 0, 5 ml s.c., i.m. (0,25 ml. i.v.)

Oral doses may be administered in the same quantity as or a half higher than subcutaneous doses. Coffeine is administered subcutaneously, intramuscularly or intravenously. After s.c. and i.m. administration the onset of effect is observed within 15–30 minutes and persists for several hours.

METHOD OF ADMINISTRATION
Intramuscularly, subcutaneously,intravenously and orally.

WITHDRAWAL PERIOD
None.

SHELF LIFE
Shelf-life 3 years, after first opening of the immediate packaging: 28 days.

STORAGE
Store at temperature below 25 °C, protect from light and frost.

PACKAGE
50 ml in glass vial.

Local antiseptic and disinfectant product containing fixed iodine for treatment of inflammatory diseases of genitals in cows and sows mainly

JODOUTER 100 mg/ml

intrauterine solution

COMPOSITION

1 ml of solution contains:

Povidonum iodinatum 100 mg (10%)

TARGET SPECIES

Cattle, pigs.

INDICATIONS

Contamination of vagina with urine (urovagina), inflammation of vagina and vaginal vestibulum (vaginitis, vestibulitis), cervix (cervicitis), acute and chronic inflammation of uterine mucosa (endometritis) caused by acute and subacute infections, infection caused by trichomonas, vaginal injury, insufficient contractility of uterus after labour (atonia of uterus after labour), lochiometra, retention of placenta (retentio secundarium), pyometra.

DOSAGE

Cattle:

Endometritis, trichomoniasis – Treatment of sterility must be performed in metestrus or in diestrus. It is possible to recommend flushes 12 hours before insemination in case of 1st degree endometritis.

Cervicitis, vaginitis and vulvitis – treated either with a flush or by application of tampons, soaked with solution (tampons are removed after treatment).

Urovaginitis – clusters of urates should be removed by massage and then should be administered 1 package (150 ml) into the vagina, possibly to the intrauterine space.

Uterine atonia and pyometra – flush of uterus is performed, in case greater quantity of solution is used, it is necessary to drain the solution from uterus.

Retention of placenta – after administration develops contraction of uterus and bleeding stops, placenta is of more rough consistence and it is possible to treat it easily.

Subsequent treatment could be performed with the same dose, it is necessary to shake before use.

Pigs:

Flush with 150 ml of product, possibly more according to the physiological volume of uterus. Therapeutic flush must be performed 12 hours after labour. Sterility as a consequence of subacute infection – administration of 300 ml of the product.

Subsequent treatment could be performed with the same dose.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life 18 months.

STORAGE

Store at the temperature below 25 °C and protect from light.

PACKAGE

The product is filled per 150 ml in polyethylene compressible containers.

Local antiseptic, disinfectant and adstringent product with very wide using in gynecology, obstetrics and surgery of many animals

LOTAGEN 360 mg/ml

concentrate for vaginal/cutaneous solution

COMPOSITION

1 ml of solution contains:

Policresulenum 360 mg

TARGET SPECIES

Cattle, horses, pigs, sheep, goats, dogs and cats.

INDICATIONS

Sterility: cervicitis, vaginitis, vulvitis, trichomoniasis.

Obstetrics: vagina damage, post partum vaginal bleeding, prevention of MMA syndrome

Surgical interventions and wound treatment:

slight local bleeding spots and bleeding during surgical interventions, lupus (dermatitis of fetlock in horses), hoof cancer (pododermatitis chronica verrucosa madidans), ulcers on extremities, interdigital necrobacillosis, foot-and-mouth disease in sheep, burns, inflammation of the alvearium (otitis externa), furunculosis, dermal eczema, erosions, irrigation of urovagina in mares, obliteration of lacteal pseudo-fistula.

DOSAGE

Cattle

Cervicitis, vaginitis and vulvitis:

- irrigate the surface vaginal damages with 2% solution.

Additional lacteal glad:

- 9% solution should be applied into a fistula using a milk catheter.

Mares

Vaginitis (pneumovagina, urovagina):

- irrigate with 1–2% solution of the preparation in order to disturb parenchyma.
- irrigation of urovagina in horses 1 – 3 litres of 0.5% solution.

Local use during surgical intervention and cleaning of old wounds

Hemostasis:

- cover the wound with gauze soaked with the preparation.

Cleaning of wounds, ulcers, abscesses, eczema and other pathological dermal ganges:

- apply gauze soaked with 4–20-% solution into the old wound or the pathologically changed tissue.

Ulcers onto extremities, putrefaction of soft tissue, interdigital necrobacillosis, etc.:

- in case of small surgical interventions, apply 20-% aqueous solution.

Use in small animals

Eczema on lips and skin folds:

- apply gauze soaked with the preparation onto an affected spot.

Fistula of anal gland:

- inject 2 ml of 5-% aqueous solution into an anal gland cavity. Repeat, if necessary.

Interdigital ulceration:

- apply gauze soaked with the preparation on the affected spot between fingers.

Otitis externa inflammation:

- rinse it with 5-% aqueous solution of the preparation once a day.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life after first opening the container: 21 days.

STORAGE

Store at the temperature to 25 °C. Do not refrigerate or freeze.

PACKAGE

100 ml.

Local antiseptic, disinfectant and adstringent product for use in gynecology and obstetrics of cattle and pigs

LOTAGEN injector

intra-uterine solution

COMPOSITION

150 ml of solution contains:

Policresulenum 2.16 g

(Polycondensate of m-cresol-sulfonic acid and formaldehyde at the mass ratio of 14:1)

Selective Coagulation Effect: Lotagen acts differentially onto the pathologically changed and healthy skin parts. Lotagen coagulates cells which function is impaired; such cells are then systematically eliminated from the organism (demarcation, elimination). On the other hand, Lotagen stimulates division of undamaged cells resulting in the formation of the new mucosa membrane; it means that cells are stimulated to enhance skin epithelization.

Astringent Effect: Lotagen stimulates contraction of smooth musculature which results in arterioles contraction and thus small bleeding can be stopped.

TARGET SPECIES

Cattle, pigs.

INDICATIONS

The product is intended for use in gynaecology and obstetric where its antimicrobial, selective, coagulation and astringent effects can be advantageously used.

Gynaecology – sterility induced by acute infections, cervicitis, vaginitis, vulvitis, genital trichomoniasis and urovaginitis

Obstetrics – vaginal injury, vaginal bleeding

DOSAGE

Cattle

Cervicitis, vaginitis and vulvitis: Tampons soaked with the product solution are applied (tampons shall be removed after treatment) or irrigation is performed.

Pigs

MMA syndrome: At least 300 ml of the product is used for intravaginal irrigation.

The therapeutic irrigation shall be performed within 12 hours after delivery.

WITHDRAWAL PERIOD

None.

SHELF LIFE

Shelf-life 60 months.

STORAGE

Store at the temperature between 15 °C – 25 °C.

PACKAGE

The product is filled per 150 ml in polyethylene compressible containers.

Gentle preparation for euthanasia without adverse reactions

PENBITAL 400 mg/ml

solution for injection

COMPOSITION
Product contains *pento-barbitalum natricum* 400,0 mg (362,94 mg of pentobarbital) in one ml.
Injection solution.
Blue to sea – green solution.

TARGET SPECIES
Cattle, goat, sheep, swine, horse and rabbit not intended for slaughter purposes.
Dog, cat, ferret.

INDICATION
Euthanasia.

DOSAGE
The dose is uniform for all target species.
Recommended dose of the pentobarbital is 140 mg/kg, equivalent to 0,35 ml/kg.
Examination of the vital function is necessary after administration.
The repetition of the administration is necessary until death confirmation.

WAY OF ADMINISTRATION
Intravenously or intracardially.
The intravenous route of administration should be the route of choice and the velocity of administration is necessary.
Intravenous catheter is recommended in cattle and horses.
When intravenous administration is difficult, the product may be administered via the intracardiac route only after deep sedation or anaesthesia.

WITHDRAWAL PERIOD
Not intended for food-producing animals.

SHELF LIFE
Shelf-life 36 months, after first opening the immediate packaging 3 months.

STORAGE
Store below 25 °C.
Protect from light.

PACKAGE
100 ml.

Preparation for external surface treatment of mammary gland

PROFYMAST emulsio

Preparation for surface treatment of mammary gland

COMPOSITION

Composition of the product:
Aqua purificata, Paraffinum liquidum, Alcohol cetylicus, Alcohol cetylstearylicus, Oleomacrogolum, Menthae piperitae etheroleum – 0,5%, *Acidum stearicum, Dinatrii edetas dihydricus, Cera alba, Methylparabenum.*

TARGET SPECIES

Cattle-dairy cows (sheep, goat).

INDICATIONS

Surface treatment of mammary gland. Softening the skin of the mammary gland (protection against drying by sunlight on pasture).

DOSAGE

Externally massage using on the mammary gland.
Shake before use.

WITHDRAWAL PERIOD

None.

STORAGE

Store below 25 °C, protect from frost and direct sunlight.

PACKAGE

250 ml with a pump, 1000 ml and 5000 ml in the plastic HDPE bottle.

WE respect ANIMALS

VETERINARY MEDICAMENTS PRODUCER

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NOTES

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