

#### RUE «INSTITUTE OF EXPERIMENTAL VETERINARY MEDICINE NAM. OF S.N. VYSHELESSKY»

INACTIVATED VACCINE FOR PREVENTION INFECTIOUS RHINOTRACHEITIS, VIRAL DIARRHEA, PARAGRIPPA-3 AND PASTEURELLOSIS CATTLE

#### «BELVIROPAST»



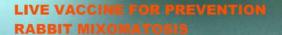


- Consists of strains of infectious rhinotracheitis viruses, diarrhea, parainfluenza-3, strains of the bacteria Mannheimia (Pasteurella) haemolytica type A and Pasteurella multocida type A, emulsified in oil adjuvant.
- Stimulates nonspecific resistance of organism, activates phagocytic activity of neutrophil-macrophage series cells and bactericidal activity of blood.
- Used for prophylactic immunization of cattle against infectious rhinotracheitis, viral diarrhea, parainfluenza-3 and pasteurellosis in threatened and dysfunctional farms. Only clinically healthy animals are vaccinated.
- Immunity in vaccinated animals is formed by the 21-st day after vaccination.





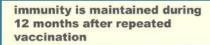




### BELMIKSOVAK

based on the strain "KMIEV"-V141

for active immunization of rabbits in the spring before the appearance of the main carriers of the causative agent of the disease - blood-sucking insects



causes the production of specific antibodies to rabbit myxoma virus 14 days after double immunization





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### INACTIVATED RABIES VACCINE FROM

## BELRAB

"71 BELNIEV-VGNKI" STRAIN



- ▶ Designed for preventive immunization of domestic and farm animals (cattle and small ruminants, horses, pigs, dogs, cats, etc.).
- ► The subject vaccination are clinically healthy animals.
- ▶ Promotes the production of specific antibodies in animals and resistance to infection with rabies virus. Immunity develops within 10-14 days after vaccination, reaches maximum in 3-4 weeks, and lasts for at least 12 months.











- VACCINE AGAINST INFECTIOUS BURSAL DISEASE CHICKEN FROM THE STRAIN «KMIEV-13» (BD-1)
- VACCINE AGAINST INFECTIOUS BURSAL DISEASE CHICKEN FROM THE STRAIN «KMIEV-15» (BD-2)
- VACCINE INACTIVE
   EMULSIFIED FOR
   PREVENTION
   SALMONELLOSIS OF BIRDS



• VACCINE FOR THE PREVENTION OF NEWCASTLE DISEASES OF BIRDS FROM THE STRAIN «KMIEV-V104»

VACCINE AGAINST
 INFECTIOUS
 BRONCHITIS
 OF CHICKENS
 FROM THE STRAIN
 «KMIEV-V103»

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### **ViroKoliVak**

inactivated vaccine for the prevention of rota- and coronavirus infection, viral diarrhea and colibacteriosis of cattle

for specific
prevention of associated
viral-bacterial
enteritis of young
cattle





Causes
the production of antibacterial
antibodies in the titer
5,4-6,2 log<sub>2</sub>, antiviral 4,2-4,8 log<sub>2</sub>

preventive efficiency – 92.86-93.75%

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## VACCINE INACTIVE EMULSIFIED WITH ADHESIVE ANTIGENS FOR PREVENTION COLIBACTERIOSIS OF CALVES



from strains bacteria Escherichia coli with adhesive antigens F41, K88 (F4), K99 (F5), A20 (F17)

Colostral immunity young animals develops after ingestion of colostrum and preserved at least 20 days



Strong immunity in cows and calves it is formed on the 10–14th day after vaccination



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**INACTIVATED EMULSIFIED VACCINE** FOR THE PREVENTION OF COLIBACILLOSIS (ESCHERICHIOSIS) AND KLEBSIELLOSIS IN CATTLE

#### **KOLITOX-LT**

▶ Made from Escherichia coli bacteria strains with adhesive antigens F41, K88 (F4), K99 (F5), A20 (F17); Klebsiella pneumonia; recombinant B subunit of thermolabile toxin Escherichia coli; oil adjuvant



▶ adhesive antigens and thermolabile enterotoxin E. coli are of protein nature and have high immunogenic activity

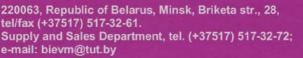
▶ for immunization of deep-calving cows. heifers and calves in disadvantaged and threatened by colibacillosis and klebsiellosis farms















#### MEDICINE NAM. OF S.N. VYSHELESSKY»

# VACCINE AGAINST NECROBACTERIOSIS OF CATTLE

- Used for the vaccination of cattle with a prophylactic goal in dysfunctional and threatened necrobacteriosis of farms
- The vaccine induces the production of specific antibodies against Fusobacterium necrophorum and Bacterioides ovatus
- Immunity in cattle is formed 14 days after vaccination and kept for 6 months



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#### LIVE LYOPHILIZED VACCINE FOR PROPHYLAXIS OF SHEEP POX

during routine immunization, all animals are vaccinated from 3 months of age;

- ▶ the revaccination is carried out through each 12 months;
- ▶ immunity in animals develops within 10-14 days after vaccination lasts and for at least 12 months









vaccine inactivated emulsified for prevention of pasteurellosis in cattle

#### PNEUMOBAKT-L

Contains bacterial antigens Pasteurella multocida type A (strain KMIEV-B166), Mannheimia haemolytica (strain KMIEV-B158), Mannheimia haemolytica leukotoxin toxoid and Montanide ISA adjuvant

Increases phagocytic activity neutrophil-macrophage cells of the series and the bactericidal activity blood serums

**Used** for active immunization of cattle in the dysfunctional and of herds threatened by pasteurellosis



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VACCINE ASSOCIATED AGAINST PASTEURELLOSIS,
HEMOPHILIC POLYSEROSITIS AND ACTINOBACILLARY
PLEUROPNEUMONIA OF PIGS

#### **RESPIS-PGA**

√ Contains bacteria Pasteurella multocida serovariant A (strain KMIEV-B150), Actinobacillus pleuropneumoniae (strain "KMIEV-B169"), Haemophilus parasuis (strain KMIEV-V171), inactivated formalin and emulsified in oil adjuvant

√ One immunizing the vaccine dose is 1.0 cm³

√ Immunity in pigs comes
through 14 days after vaccination
and persists within 12 months











# Vaccine inactivated emulsified for prevention of salmonellosis in cattle



 made of surface antigens of salmonella strains Salmonella Dublin and Salmonella Typhimurium







 used for immunization of pregnant cows, heifers and calves in endangered on salmonellosis cattle-farms



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## VACCINE AGAINST SALMONELLOSIS, PASTEURELLOSIS AND STREPTOCOCCOSIS PIGS EMULSIFIED



causes the production of specific antibodies in pigs against pathogens of salmonellosis, pasteurellosis and streptococcosis caused by Pasteurella multocida serovariant A and D, Salmonella choleraesuis, Streptococcus suis serotype 2

used for vaccination of pigs for prophylactic purposes in disadvantaged and threatened salmonellosis, pasteurellosis and streptococcosis farms

immunity in pigs develops 14 days after vaccination and is maintained for next 12 months

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virus-vaccine polyvalent inactivated culture against infectious rhinotracheitis, viral diarrhea, rota- and coronavirus infections cattle



#### **TETRAVAC**

prevention of infectious rhinotracheitis, viral diarrhea, rota- and coronavirus infections calves in threatened and disadvantaged farms



- **▶** harmless
- ▶ areactogenic
- **▶** immunogenic
- ► as part of an adjuvant of a new generation MontanideTM Seppic companies (France), security applications, high immunity and ease of insertion







#### VIRUS VACCINE

LIVE CULTURAL AGAINST INFECTIOUS RHINOTRACHEITIS, VIRAL DIARRHEA AND PARAINFLUENZA-3 OF CATTLE

composed of virus strains of serotypes and pathotypes, circulating on the territory of Belarus, free from ballast substances, which improves safety and immunogenicity



harmless

areactogenic

highly efficient

immunogenic

therapeutic effect



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#### Vaccine «RESPIVAC»

#### FOR PREVENTION OF CATTLE PASTERELLOSIS



▶ elicites the production of specific antibodies to Pasteurella multocida of serovariants A, B and Mannheimia haemolytica in cattle;

- administered intramuscularly;
- vaccination of cows (heifers) is carried out regardless of the gestational age in a dose of 2.0 cm<sup>3</sup>;
- ► heifers are vaccinated from 15–16 months of age;
- ► calves are vaccinated from 5-10 days of age in a dose of 1.0 cm<sup>3</sup>.

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#### INACTIVATED VACCINE EMULSIFIED WITH ADHESIVE ANTIGENS FOR PREVENTION COLIBACTERIOSIS OF PIGLETS

Bacterial strains ESCHERICHIA COLI with adhesive antigens F41, K88 (F4), K99 (F5), 987 P (F6), LT-TOXOID

FOR
IMMUNIZATION
DEEP
PREGNANT
SOWS AND,
AT INDICATIONS,
SUCKLING PIGLETS
FROM 20-30 DAYS OF AGE



The protective titer of colostral antibodies persists in newborn piglets up to 30 days of age

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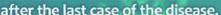


**VACCINE-CONTAINING BAIT ANTI-RABIC FOR ORAL IMMUNIZATIONS IN THE** WILD CARNIVORES

#### **DESIGNED FOR PROPHYLACTIC IMMUNIZATION** OF WILD CARNIVOROUS ANIMALS AGAINST RABIES

- ▶ contains a vaccine made from a modified fixed attenuated rabies virus strain KMIEV-94;
- ▶ applied in the autumn-winter and winter-spring periods and laid out in the habitats of animals:
- ▶ immunity to rabies is developed within 25–30 days and lasts up to 1 year;

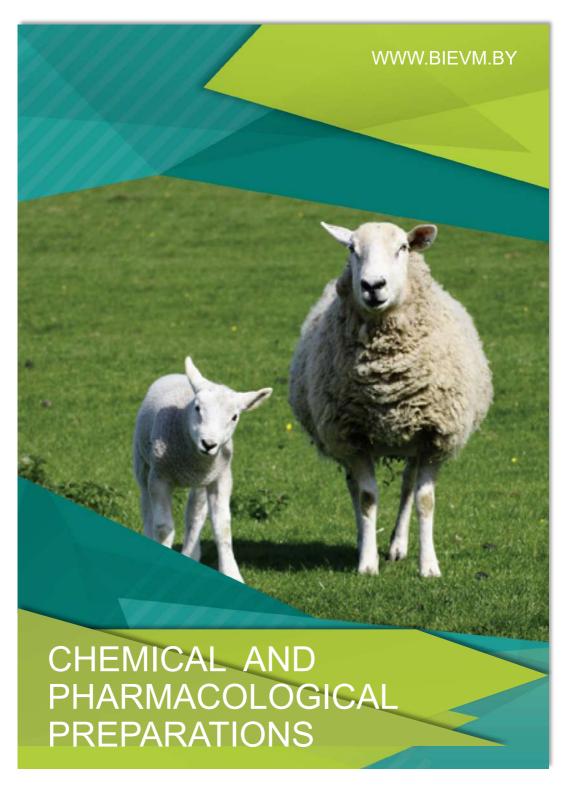
▶ to ensure sustainable rabies freedom in the area, oral vaccination should be carried out twice annually within 3 years













### Veterinary preparation for treatment associative helminth infections of sheeps

## VIROCOCCID

► Ecologically safe – livestock products can be used Immediately after its application

- ▶ Wide range of action
- Inexpensive, affordable preparation
- ► Easy to use with feed













## TRICLAMIZOLE

antiparasitic preparation

#### **CONTAINS**

triclabendazole, albendazole, levamisole hydrochloride, lactose

#### APPLY

at associative helminthiasis of cattle and wild artiodactyls group animals by a feed method or feeding once







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**VETERINARY PREPARATION** 

#### «KALTSEMAGFOSVIT»









#### VETERINARY PREPARATION

## KMP PLUS

- · contains iron, iodine, selenium, zinc, manganese, cobalt;
- for prevention of diseases of cattle and pigs caused by a deficiency of its constituent bioelements;
- for treatment of calves with enzootic goiter, iron deficiency anemia, white muscle disease, toxic degeneration of liver;
- to improve the reproductive function of cows and sows, prevent their birth and postpartum pathology;
- . to increase the viability of newborn young animals





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#### VETERINARY PREPARATION

#### KOLISTINLAKT

- Contains colistin sulfate and excipients.
- ◆ It has a pronounced bactericidal effect against most aerobic gram-negative microorganisms, including Escherichia coli, Salmonella spp., Pasteurella spp., Bordetella spp., Klebsiella spp., Pseudomonas aeruginosa.
- ◆ It is used to treat piglets and calves with gastrointestinal diseases of bacterial etiology, including colibacillosis, salmonellosis and other infections, the causative agents of which sensitive to colistin.
- ◆ Assign inside with drinking water or milk to piglets and calves (up to 3 months of age) at a dose of 0.5 ml per 10 kg of body weight within 3-5 days. The daily dose can be divided into 2 doses.









#### VETERINARY PREPARATION

## MIKROVIT SA

#### applied to cattle and pig

► for stimulation and normalization sexual function



► for prevention embryonic mortality, hypoxia fetus, postpartum complications, shortening the service period, recovery process ovulation in cows, increases body resistance

➤ with pathological states, accompanied decline immunoreactivity body and disorders metabolism









veterinary preparation

**SAPOFOR** 

IMMUNOSTIMULANT

PREVENTION AND TREATMENT OF SUBCLINICAL MASTITIS IN COWS;

PREVENTION OF INFECTIOUS DISEASES OF CALVES AND PIGLETS











## TALPAN



## VETERINARY PREPARATION

contains formic and oxalic acid



renders
acaricidal contact
action against
adults mite forms
varroa destructor,
parasitic on bees

bee treatment
with varroatosis
spring and summerautumn period after pumping
commercial honey at
a temperature air
from plus 10 °C up
to plus 25 °C













# PRAZIFEN

VETERINARY PREPARATION

## FOR TREATMENT AND PREVENTION CARP FISH DISEASES

 used for degelmintization pond carp fish diplostomatidosis, postodiplostomosis, sanguinenicolosis, tetracotylosis, ligulose, caviose, caryophyllasis, botryocephalosis, phylometroidosis and scriabillonosis



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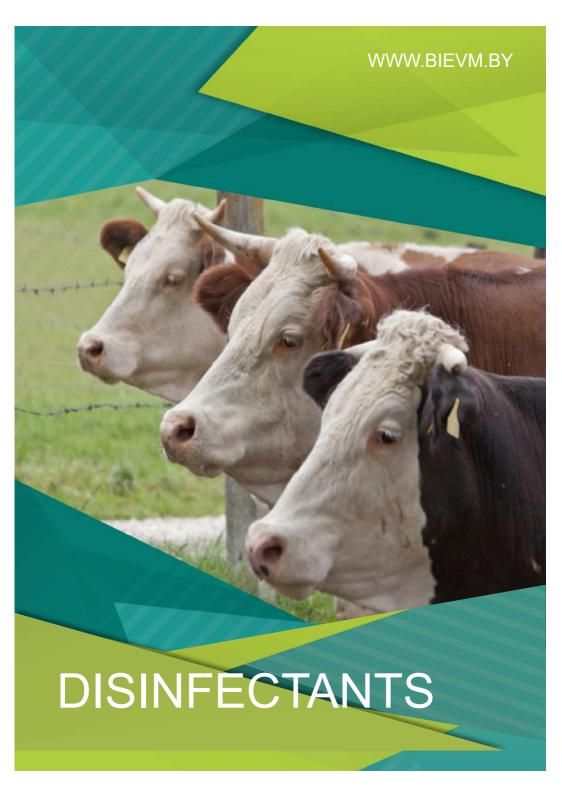


- low toxicity
- does not provide embryotoxic, teratogenic, sensitizing and mutagenic action



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#### means disinfectant

#### **ALDECHAS**

IT IS USED for preventive and forced disinfection of premises, as well as for treatment of hoodies for the purpose of prevention in purulent-necrotic lesions.

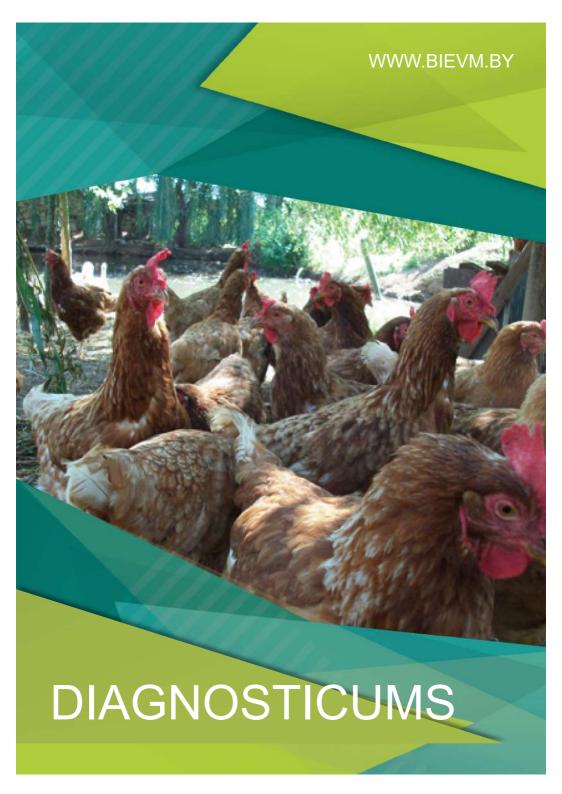
IT HAS antimicrobial effect on grampositive and gram-negative bacteria, viruses and fungi. Effective against pathogens of the first-third groups of sensitivity to disinfectants.



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#### RUE «INSTITUTE OF EXPERIMENTAL VETERINARY MEDICINE NAM. OF S.N. VYSHELESSKY»

#### DIAGNOSTIC AGENT

#### BELOMASTIN M

to detect inflammatory processes in the udder of cows with initial, latent and chronic forms of mastitis, to determine the grade of milk (extra, higher, first) and to monitor the results of treatment of animals with mastitis

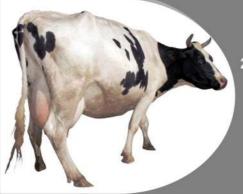
- an analogue of the Kerba test (Kerba TEST) and California Mastitis Test (CMT)
- high diagnostic efficiency (from 250 thousand to 1,500 thousand and above somatic cells in 1 cm3 of milk)
- · easy and reliable diagnostics

**EVALUATION** RESULTS

negative reaction (-) liquid mixture remains homogeneous

doubtful reaction (-/+) mucous filaments are formed in the mixture

positive reaction (+) the mixture acquires the consistency of a mucous mass or a jelly-like clot



1. Mastitis diagnosis is carried out with the first day after calving throughout the lactation and launch period.

есно диагностическої

<sup>БЕЛОМАСТИН</sup> М»

Беломастин М

- 2. Into the deepening of milk control plates are added at 1.0 cm3 of the tested person milk, 1.0 cm<sup>3</sup> of the agent are added.
  - 3. By smooth rotation of the plate in the horizontal plane the mixture is stirred.
    - 4. The reaction is taken into account through 10-15 seconds.



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