



THE NATIONAL ACADEMY OF SCIENCES OF BELARUS



Prophylactic-
therapeutic
veterinary
preparations



are aimed at correction
of gastrointestinal
microbial cenoses
and stimulation
of immune response
in sick cattle, swine, poultry

BACINIL BACINIL-K

Efficiency of action

Preparations Bacinil and Bacinil-K show a broad spectrum of antagonistic activity against strictly and opportunistically pathogenic microorganisms. They do not inhibit normal gut microflora, display immune-fostering effect, reduce rate of enteritis cases by **25-30%**, shorten twice duration of pathology, promote **20%** live weight increment

Application guidelines

Enteritis prevention protocol (Bacinil, Bacinil-K):

- neonatal calves should be fed Bacinil/Bacinil-K at the first, third day of life and during transfer from puerperal box to raising sections at the ratio 10 ml per 100 ml of water per capita;
- new-born piglets during the first and third days – 1 ml per capita mixed with drinking water and 1.5 ml Bacinil/Bacinil-K on the final day of sucking phase;
- for broiler chicken Bacinil/Bacinil-K is supplied with drinking water in proportion 1 liter per 100 l of water, starting from 24 hours of age as a 5-day course. This preventive cycle should be repeated twice or thrice with 7-10 day intermissions

Enteritis therapy (Bacinil, Bacinil-K):

- calves with enteritis symptoms should be administered 15 ml Bacinil/Bacinil-K daily per capita with drinking water dissolved at the ratio 1 therapeutic dose per 100 ml of water until complete elimination of diarrhea and in the following 2-3 days to consolidate the effect;
- piglets with enteritis cases are daily fed 1.5 ml Bacinil/Bacinil-K per head with drinking water dissolved in proportion 1 therapeutic dose per 20 ml of water until full recovery with 2-3 day follow-up;
- broiler-chicken with diarrhea syndrome – Bacinil/Bacinil-K with drinking water prepared on the basis 2 liters per 100 l of water until disappearance of diarrhea manifestations plus 2-3 days of follow-up treatment.

Respiratory infections in calves (Bacinil):

- Bacinil is introduced intratracheally as a preventive agent at the diurnal dose 10 ml, the intake is ceased for 2-3 days, and then the procedure is reiterated in 3-4 runs;
- for therapy 15 ml dose is supplied once per diem for 5-6 days in a row until total rehabilitation

Placentitis and endometritis cases (Bacinil):

- A single 10-15 ml Bacinil dose is injected daily into cow vagina and the course lasts for 3-4 straight days until termination of effusions from genital organs.

Supply of biopreparations in combination with antibacterial agents will not cause side effects. They may be administered in mixture with milk or colostrum for prevention and treatment of enteritis in new-born farm animals

Active ingredients, preparative form

Bacinil - antimicrobial metabolites of bacteria *Bacillus subtilis*;
Bacinil-K - cells, spores and metabolites of bacteria *Bacillus subtilis*;
liquid

Ecological benefits

- they will not downgrade quality of farm products;
- harmless and do not require special accessories and measures to protect humans and animals;
- promote output of eco-safe products

Terms of storage

6 months at temperatures +4 to +15°C,
in dry, ventilated, shady place

Developed

Institute of Microbiology of NAS of Belarus,
Institute of Experimental Veterinary Research

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Kuprevich str 2, 220141 Minsk, Republic of Belarus

+375 (17) 399-43-63, e-mail: zakupkibio@mail.ru www.mbio.bas-net.by

