

BAC 200

Disinfectant solution for use in livestock farming, poultry farming, beekeeping and other facilities under veterinary supervision

Composition

1 ml contains active substance:

Alkyldimethyl benzalkonium chloride (quaternary ammonium compound) – 200 mg

Excipients:

Monoethanolamine – 0.21 mg

Water up to 1 ml

Solution pH: 8.5 ± 1.4

Description

Transparent or slightly opalescent colorless or yellowish liquid with a mild specific odor. Foams when shaken.

Characteristics

The product has bactericidal and sporocidal activity against Gram-positive and Gram-negative bacteria (*Brucella* spp., *Clostridium* spp., *E. coli*, *Klebsiella* spp., *Listeria* spp., *Proteus* spp., *Pseudomonas* spp., *Salmonella* spp., *Staphylococcus* spp., *Streptococcus* spp., *Bacillus larvae*, *Bacillus alvei*), including the causative agent of tuberculosis.

It has virucidal activity against lipid-enveloped viruses, including herpes virus and human immunodeficiency virus (HIV).

It has fungicidal activity against *Aspergillus* spp., *Candida albicans*, *Trichophyton* spp., *Saccharomyces cerevisiae*, *Ascospaera apis*.

It has disinvasive activity against nematodes and *Eimeria* oocysts.

Indications

Used in livestock farming, poultry farming, beekeeping and other facilities under veterinary supervision for sanitary treatment (surface cleaning and washing) and disinfection.

Used for treatment of livestock and poultry farms, product sales areas, meat and dairy processing plants, slaughterhouses, veterinary clinics, housing areas for small animals and poultry, kennels, cages and other areas, especially after deworming.

Used for disinfection of technological and sanitary equipment, transport, tanks, water supply systems, tools, machinery, etc.

Used in beekeeping for sanitary treatment and disinfection of diseased bee hives, frames and other equipment in cases of ascospherosis, aspergillosis, fowlbrood, nosematosis and varroosis.

Methods of Use

Used as working solutions prepared by diluting the concentrate with non-chlorinated water.

Disinfection of surfaces is carried out after thorough mechanical and sanitary cleaning. Surfaces are wiped with cloth or sponge or sprayed with fine-dispersed sprayer until fully moistened.

Working Solution Concentrations

Dairy processing equipment, feeders, drinkers (in presence of animals):

10 ml concentrate / 10 L water (1:1000)

Preventive disinfection of buildings and equipment (in presence of animals), water supply systems:

25 ml / 10 L (1:400)

Slaughterhouses, processing plants, trade facilities, laboratories, veterinary clinics, vehicles, soaking work clothes before washing:

50 ml / 10 L (1:200)

Routine livestock building disinfection (between sanitary cleanings):

100 ml / 10 L (1:100)

Post-deworming disinvasion and disinfection of premises infected with infectious diseases:

150 ml / 10 L (1:65)

Closed pools or water systems for prevention of green algae and other microorganism growth (once weekly):

50 ml / 100 L (1:2000)

Beekeeping Concentrations

Diseased bee colonies:

25 ml / 1 L water (1:40)

Healthy and conditionally healthy colonies (planned preventive disinfection):

15 ml / 1 L (1:65)

Preventive spring-autumn disinfection of apiaries:

5 ml / 1 L (1:200)

Hive, comb frames and beekeeping equipment disinfection is performed at temperatures above +12°C by spraying until surfaces are completely moistened.

Bee colonies are disinfected twice a year during spring and summer inspections.

Outer and inner hive walls and wooden parts of frames are cleaned with a wet cloth or sponge.

Precautions

Personnel must follow hygiene and safety rules applicable when handling veterinary preparations.

Working solution must not be used in presence of animals, poultry or bee colonies.

High concentration solutions may cause skin irritation. Use disposable gloves and mask. If undiluted product contacts skin, rinse with running water. If it enters eyes, rinse with plenty of running water and apply eye drops.

Smoking, eating and drinking are prohibited during handling.

Storage Conditions

Store in original manufacturer packaging in a dark, well-ventilated place at +1°C to +40°C.

Shelf life: 2 years in original packaging.

After opening factory packaging, stability is maintained until expiration date if storage conditions are respected.

Diluted working solution stored in closed container remains usable for 14 days.

Presentation

Concentrated solution packed in:

20 L polyethylene canisters

5 L polyethylene canisters

1 L bottles

Or according to customer requirements.

Manufacturer

LLC Biotecs, Georgia