

**A NEW
GENERATION
DISINFECTANT**

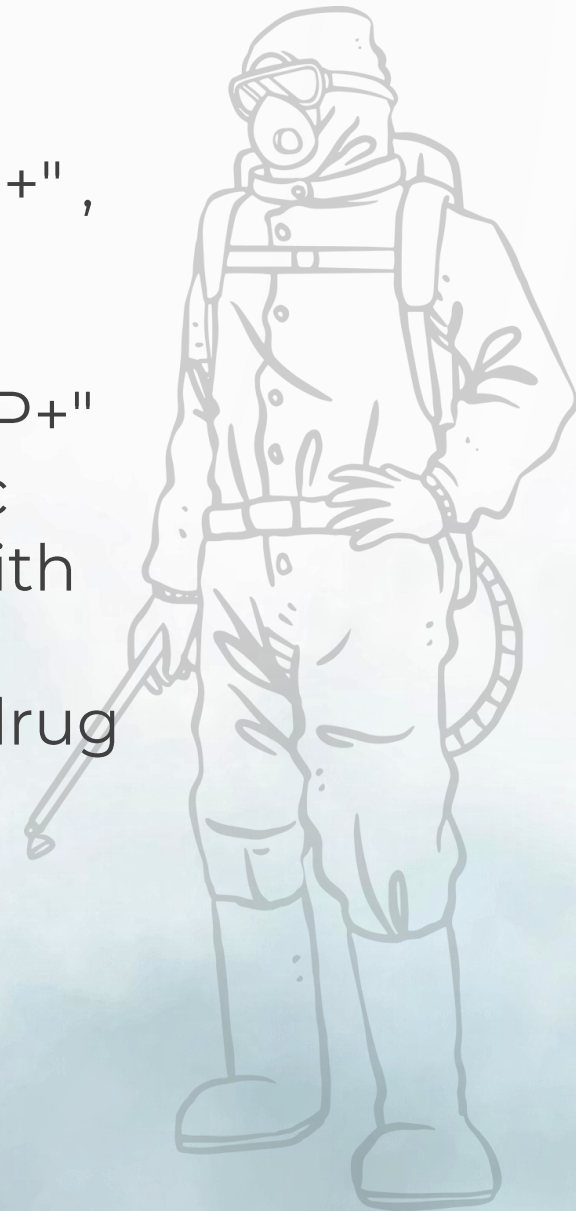
THEOTROPIN P+



BIOFARM LLC is a manufacturer of a new generation modern high-performance disinfectant - "Theotropin P+", which has a wide spectrum of action.

BIOFARM LLC is the only manufacturer of "Theotropin P+" in Russian Federation. BIOFARM LLC is both a scientific and production company and has been cooperating with research institutes of Russian Federation during a long period of time, properties laboratory joint tests of the drug "Theotropin P+" are constantly carried out.

The drug "Theotropin P +" is used for sanitary and antiepidemiological measures.



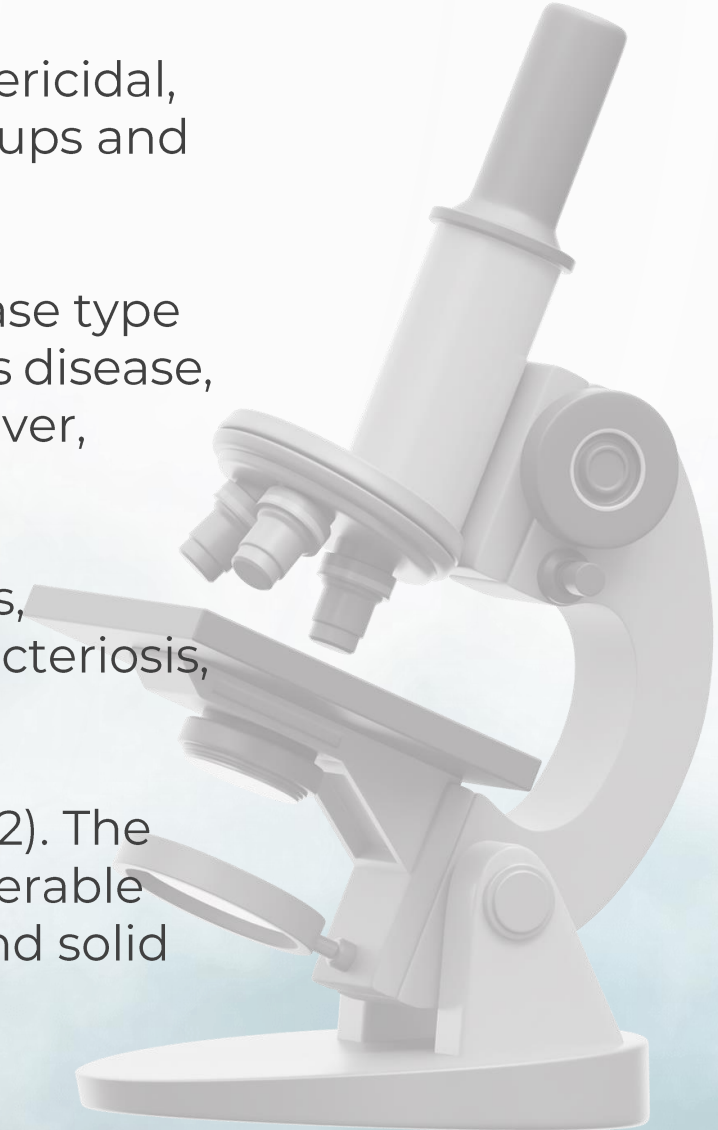
SCIENTIFIC RESEARCH

Scientific laboratory studies have confirmed the antimicrobial (bactericidal, viricidal) effect of the drug against viruses of **various** taxonomic groups and against **Gram-positive and gram-negative bacteria**


(virulent **viruses** of classical swine fever (CSF), foot-and-mouth disease type A, O, C, vesicular exanthema of pigs, sheep catarrhal fever, Teschen's disease, influenza A Avian (VGP), Newcastle disease (VDNH), African swine fever, Aujeska disease (VBA);

bacteria - causative agents of anthrax in spore and vegetative forms, catarrhal pleuropneumonia of cattle, listeriosis, salmonellosis, colibacteriosis, brucellosis;

fungi - causative agent of aspergillosis and bacteriophage E.coli MS2). The cultivation of microorganisms was carried out in primary and transferable cell cultures - PK-15, VNK, PTP, KKMS, CF; chicken embryos; liquid and solid nutrient media - MPB, MPA, tryptic digestion of cattle heart.

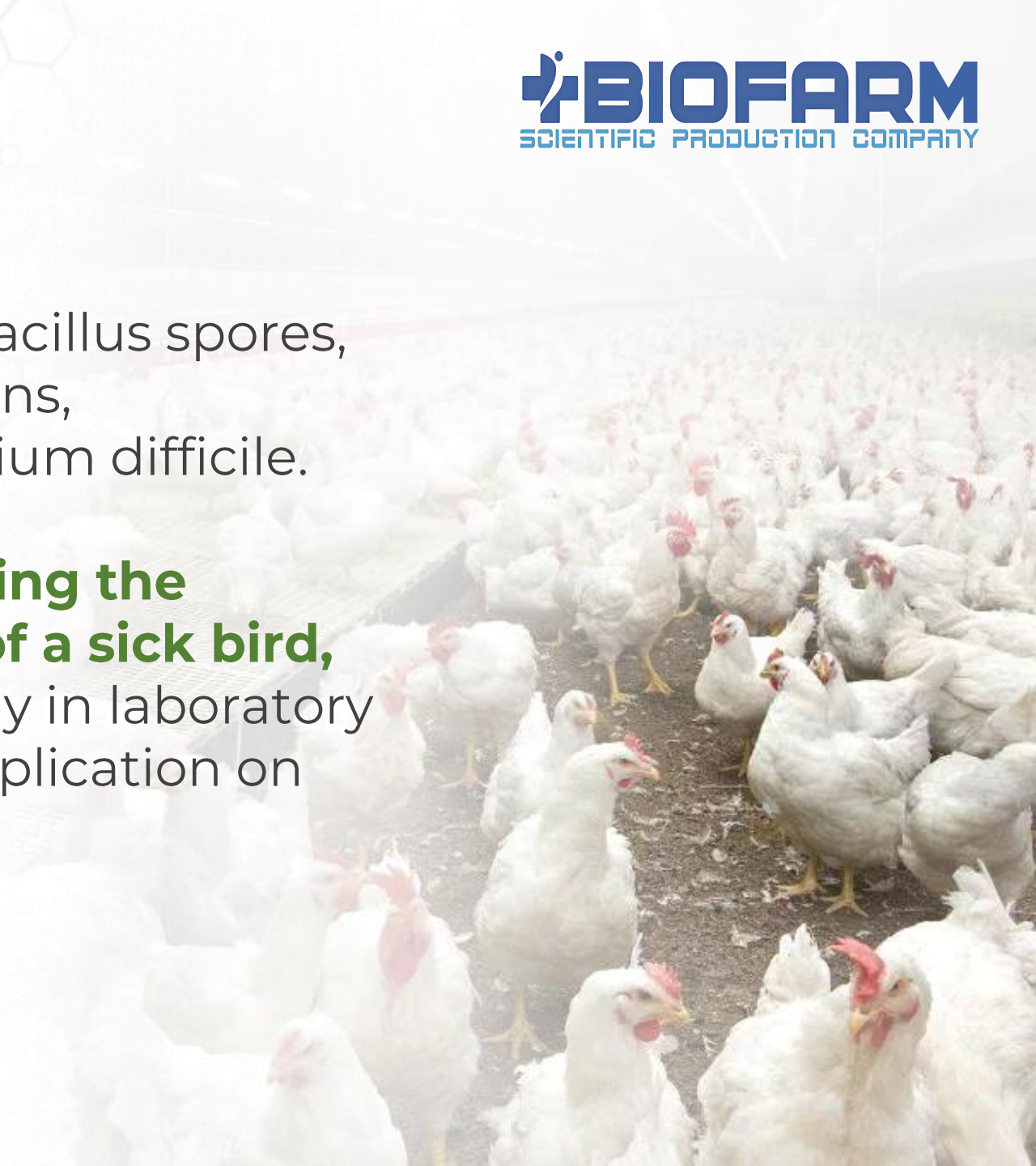


SCIENTIFIC RESEARCH



It has sporocidal activity against bacillus spores, Clostridium, Clostridium perfringens, Clostridium chauvoei and Clostridium difficile.

"Theotropin P+" is capable of killing the already existing influenza virus of a sick bird, which has been confirmed not only in laboratory conditions, but also in practical application on an enterprise scale.



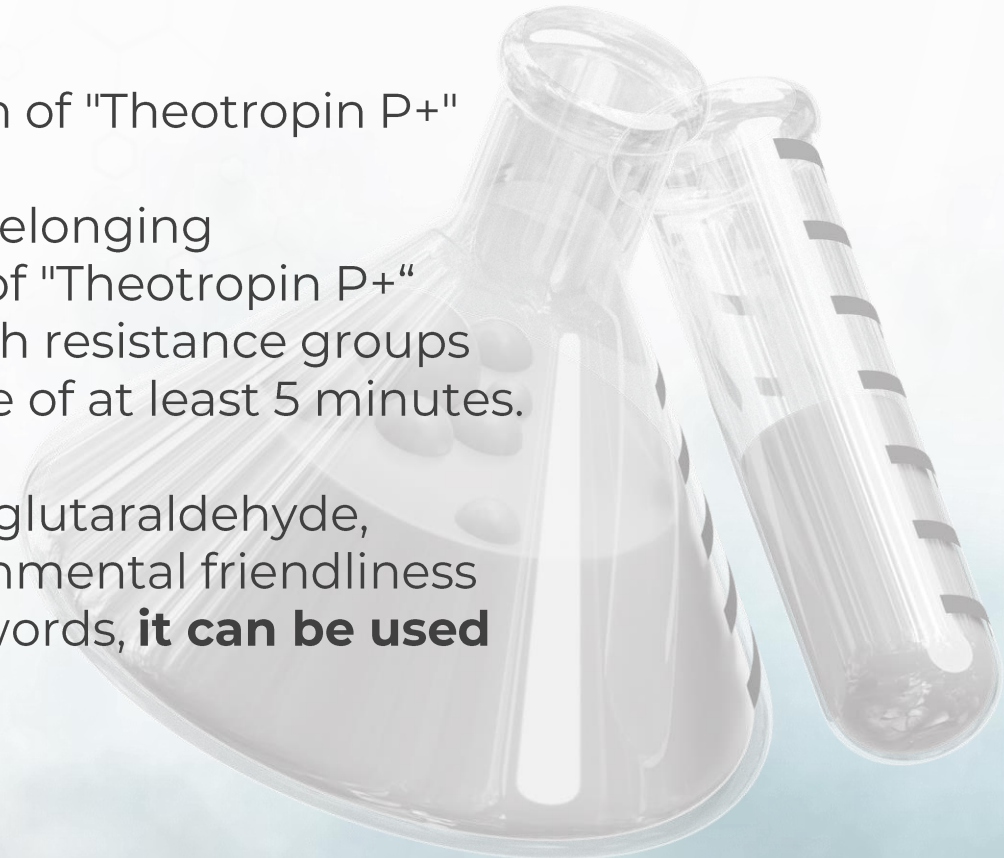
COMPOSITION AND METHODS OF APPLICATION

"Theotropin P+" is highly effective with minimal consumption, as it works on solutions in minimal concentrations, and is available in the form of 35%, 50%, (in liquid form) and 100% (in powder form), which significantly reduces the cost of disinfection processes, optimizes work.

Preventive disinfection is carried out with a 1% solution of "Theotropin P+" and an exposure of at least five minutes.

Forced disinfection in diseases caused by pathogens belonging to the 1st and 2nd resistance groups with a 1% solution of "Theotropin P+" and an exposure of at least five minutes; the 3rd and 4th resistance groups with a 4.5% solution of "Theotropin P+" with an exposure of at least 5 minutes.

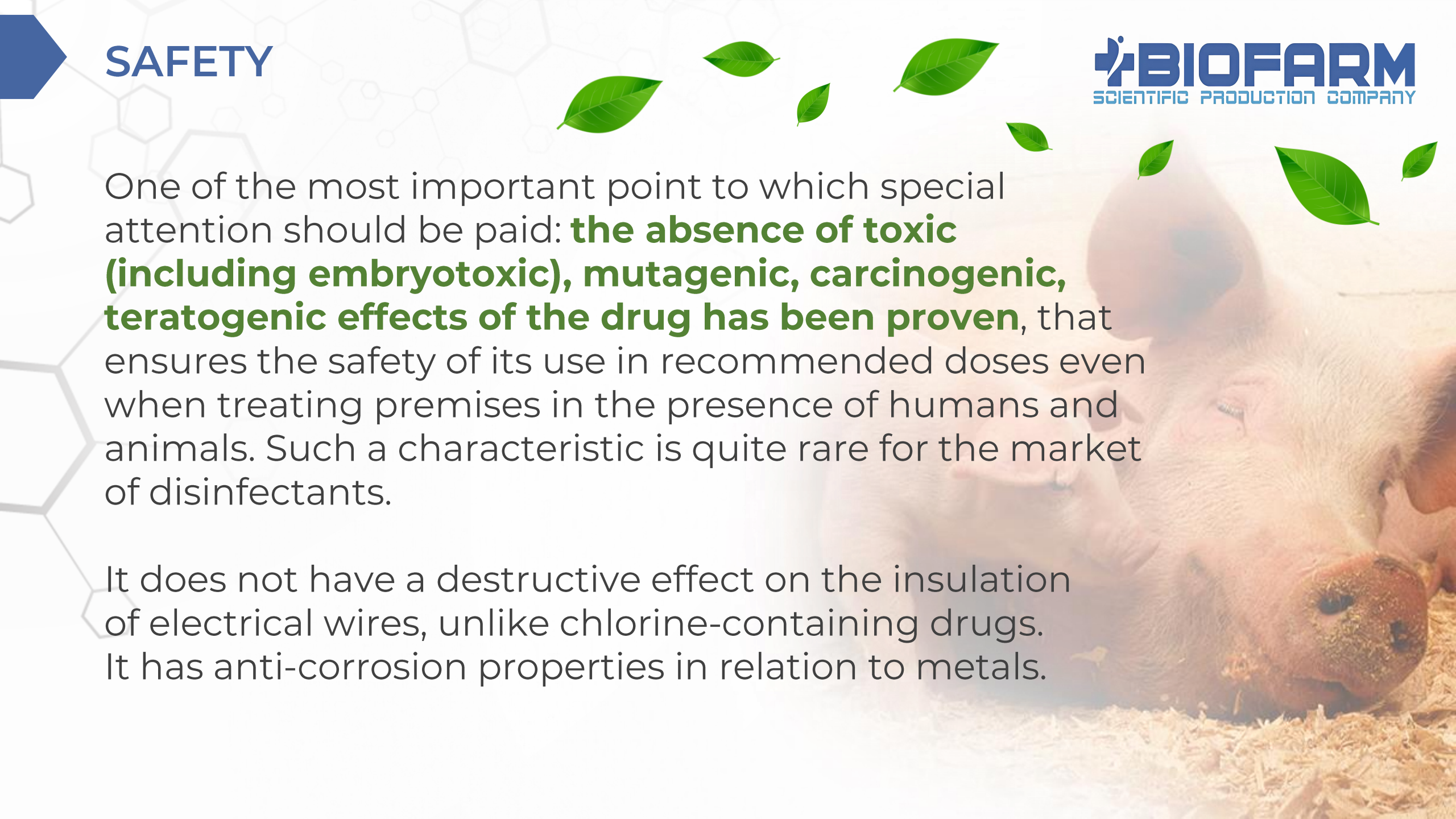
The drug does not contain chlorine, formaldehyde and glutaraldehyde, hydrogen peroxide, ammonia, which ensures its environmental friendliness and the absence of long-term consequences. In other words, **it can be used even in emergency conditions.**



SAFETY

One of the most important point to which special attention should be paid: **the absence of toxic (including embryotoxic), mutagenic, carcinogenic, teratogenic effects of the drug has been proven**, that ensures the safety of its use in recommended doses even when treating premises in the presence of humans and animals. Such a characteristic is quite rare for the market of disinfectants.

It does not have a destructive effect on the insulation of electrical wires, unlike chlorine-containing drugs. It has anti-corrosion properties in relation to metals.



SCOPE OF APPLICATION



Livestock, poultry, animal husbandry premises, technological equipment located in them, auxiliary livestock facilities and animal care equipment;



Production facilities and technological equipment at enterprises of the meat and poultry processing industry and workshops for processing slaughter products, premises of sanitary slaughterhouses at meat processing plants and slaughterhouses, dairy units on dairy farms and complexes, feed stoves, as well as containers for storing feed and animal products;



Premises, equipment and inventory in zoos, circuses, nurseries, vivariums, veterinary hospitals and clinics;



Motor transport, railway wagons and other types of vehicles, as well as open facilities (ramps, overpasses, platforms), places where animals congregate (territory and objects of pre-slaughter maintenance, markets, exhibitions, playgrounds, etc.);



Workwear of the service personnel.

REGULARITY OF APPLICATION

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It has also been proven that long-term and regular use of the drug "Theotropin P+" **ensures the most stable preservation of sanitary standards in proper indicators**, and also significantly reduces the economic damage caused to the industry.



REGULARITY OF APPLICATION

There are studies confirming the preservative ability of the drug. The research has been conducted on food products.

There is a positive experience of using "Theotropin R+" at large poultry enterprises as a raw material for the preservation of melange.

 **IT HAS NO TOXIC EFFECT**

DOES NOT CHANGE THE ORGANOLEPTIC PROPERTIES OF THE PRODUCT.

When using the drug in food additives for animals, feed and feed raw materials are **not subjected to bacterial/fungal recontamination for a long time** (at least 11 months) and, unlike temperature treatment, prevents over-contamination of feed during its production, transportation and storage.



PROVEN EFFECTIVENESS

The results of water disinfection, contaminated with test microorganisms (E. Coli, S.Aureus, B. anthracis and RNA-containing bacteriophage of Escherichia coli MS2) showed that the drug in a concentration of 0.5% at an exposure of 6 hours and a temperature of 18-20 °C completely inactivated bacterial cells of pathogens of colibacteriosis and staphylococcosis and phage corpuscles of intestinal bacteriophage.

The drug in a concentration of 4% at an exposure of 24 hours and a temperature of 18-20 °C ensured a decrease in the contamination of drinking water with anthrax pathogen spores to an indicator of 28 spores/ml, which meets the requirements of SanPiN 2.1.4.1074-01.





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THANK YOU
FOR YOUR
ATTENTION!

