

DETERMINATION OF THE BIOCIDAL PROPERTIES OF «DEZORGANIK-VET»

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In production conditions, a wide range of disinfectants is used, the active substances of which belong to different chemical groups. Therefore, constantly develop and introduce into production disinfectants of domestic production. To the novelties of the market of disinfectants belongs the drug "Dezorganik-vet". This is a clear, colorless solution, which when shaken forms a small amount of foam, with a weak specific odor. The purpose of our work was to determine the bactericidal effect of the domestic disinfectant "Dezorganik-vet."

In a series of studies to determine the effectiveness of decontamination of concrete surfaces contaminated with *E. coli*, it was established that "Dezorganik-vet" with a minimum exposure of 10 min. exhibited bactericidal action in a concentration of 0.1%. To achieve the same effect at a concentration of 0.05%, the minimum exposure time was 40 minutes.

Disinfectant "Dezorganik-vet", for dilutions of 0,005 and 0.013%, regardless of exposure, did not reveal bactericidal effect. Similar results were obtained in the treatment of a brick surface contaminated with *E. coli*.

When processing surfaces with tiles and stainless steel, the bactericidal effect was noted in the study of the experimental preparation at a concentration of 0.013% with an exposure of 60 min.

The absence of growth of *S. aureus* colonies has been established for 40 min. when using "Dezorganik-vet" in a concentration of 0.05% on concrete and brick surfaces. The investigated disinfectant in a concentration of 0.1% showed a bactericidal effect within 10 min. exposure.

When processing surfaces with tiles and stainless steel, the absence of growth of *S. aureus* was noted at a concentration of "Dezorganik-vet" 0.013%, starting at 40 min. Complex disinfectant "Disorganic-vet" in a concentration of 0.1% after 10 minutes. exposure completely inactivates microorganisms *E. coli* ATCC 25922 and *S. aureus* ATCC 25923.

Keywords: DISINFECTANTS, DEZORGANIK-VET, BACTERICID ACTION, TEST OBJECTS, *S. AUREUS*, *E. COLI*.