

GERMICIDE ACTIVITY

BIOAKT has a good antibacterial activity, both against gram-negative bacteria than gram-positives, with greater effectiveness for the latter. It also presents activities fungicide and virucidal especially against viruses with lipoprotein envelope and particularly sensitive to the action of disinfectants such as HIV, agent involved in the onset of AIDS, HBV, HCV and other liver tropism viruses. The antibacterial activity of BIOAKT has been tested on different strains of microorganisms according to AOAC standards and from the point of view Bibliography are decidedly more selective than the current European technical standards (EN). The table below shows the results of some of the tests carried out. Relations of these tests, are available upon request from the relevant Bodies.

LIST OF SOME OF THE MICROORGANISMS ON WHICH BIOAKT HAS BEEN TESTED

Organisms	Contact time
Pseudomonas aeruginosa	30 seconds
Salmonella enterica	30 seconds
Listeria monocytogenes	2 minutes
Enterococco faecium (VRE)	2 minutes
Staphylococcus aureus (MRSA)	2 minutes
Staphylococcus aureus (CA-MRSA)	2 minutes
Staphylococcus aureus (CA-MRSA-PVL)	2 minutes
Escherichia coli 0157:H7	2 minutes
Acinetobacter baumannii	2 minutes
Campylobacter jejuni	2 minutes
Escherichia coli carbapenem resistant	2 minutes
Klebsiella penumoniae carbapenem resistant	2 minutes
Klebsiella pneumoniae NDM-1 carbapenem resistant	2 minutes
Trichophyton mentagrophytes (fungo del piede d'atleta)	5 minutes
HIV type 1	30 seconds
Rotavirus	30 seconds
Human Coronavirus	30 seconds
Virus dell'influenza A (H1N1)	30 seconds
Virus sinciziale respiratorio	30 seconds
Adenovirus type 2	30 seconds
Virus influenza tipo A (virus Influenza A aviaria)	60 seconds
Virus epatite B (HBV)	60 seconds
Virus epatite C (HCV)	60 seconds
Norovirus (Norovirus murino)	60 seconds
Herpes simplex Type 1	60 seconds
Rhinovirus	60 seconds
Polio virus Type 2	60 seconds

Antibacterial activity test according to EN 14561 (Phase 2, Stage 2), UNI EN1650 / 2013, UNI EN 12353/2013, EN1650 / 2013, EN12353 / 2013. Surface bactericidal activity.

Test strains	Conditions	
E. Hirae ATCC 10541 P. Aeruginosa ATCC 15442 S. Aureus ATCC 6538 C. Albicans ATCC 10231 E. Coli ATCC 10536	Clean and Dirty	The laboratory tests used for the certification were performed according to the Unica European Regulations Compatible with our technologies according to the UNI EN standard ISO 1276: 2009 reference. Our technologies they are also certified according to standards AOAC the latter as certified by the competent authorities in this Technical Data Sheet are considered more performing internationally.