



DESY's® disinfection efficacy on various food microorganisms.

Microorganism	Efficacy
<b>Bacteria</b>	
Aeromonas hydrophila IFO 3820	> 99.999%
Bacillus cereus KCCM 41293	> 99.999%
Bacillus cereus KFRI 183	> 99.999%
Bacillus stearothermophilus ATCC 12980	> 99.999%
Bacillus subtilis KFRI 183	> 99.999%
Enterococcus casseliflavus KCTC 3638	> 99.999%
Enterococcus saccharolyticus KCTC 3643	> 99.999%
Enterococcus mundtii KCTC 3630	> 99.999%
Enterococcus hirae KCTC 3616	> 99.999%
Enterococcus faecalis KCTC 3511	> 99.999%
Enterococcus durans KCTC 3121	> 99.999%
Escherichia coli ATCC 10536	> 99.999%
Escherichia coli KFRI 00174	> 99.999%
Klebsiella pneumoniae subsp. Pneumoniae KCCM 11391	> 99.999%
Klebsiella pneumoniae subsp. Pneumoniae KCCM 41285	> 99.999%
Klebsiella pneumoniae subsp. Pneumoniae KCTC 1726	> 99.999%
Listeria grayi KCTC 3581	> 99.999%
Listeria innocua KCTC 3586	> 99.999%
Listeria ivanovii subsp. Ivanovii KCTC 3444	> 99.999%
Listeria monocytogenes KFRI 799	> 99.999%
Listeria seeligeri KCTC 3591	> 99.999%
Listeria welshimeri KCTC 3587	> 99.999%
Leuconostoc mesenteroides subsp. Mesenteroides KCTC 3733	> 99.999%
Micrococcus luteus KFRI 455	> 99.999%
Proteus vulgaris KFRI 00249	> 99.999%
Listeria whelshimeri KCTC 3587	> 99.999%
Pseudomonas aeruginosa KFRI 190	> 99.999%
Pseudomonas fluorescens KFRI 194	> 99.999%
P. syringae	Log 8
P. alcaligenes	Log 8
P. medocina	Log 8
P. putida	Log 8
P. stutzeri	Log 8
Legionella pneumoniae	Log 6
Staph aureus SATCC Sta 53	Log 5
Staph zoepidermidis	Log 5
Staphylococcus aureus subsp. Aureus ATCC 6538	> 99.999%
Streptococcus faecalis	Log 8
Acinetobacter baumannii	Log 6
Acinetobacter calcoaceticus	Log 8



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Salmonella typhimurium KFRI 251	> 99.999%
Salmonella isangi	Log 6
Salmonella spp	Log 6
Labtobacillus brevis	Log 8
Micrococcus luteus	Log 8
Micrococcus roseus	Log 8
Vibrio cholerae	Log 6
M. tuberculosis (H7Rv)	Log 6
M.smegmatis	Log 6
<b>Fungi</b>	
Aspergillus flavus KFRI 855	99.996
Aspergillus niger KFRI 993	> 99.999%
Clostridium perfringens KFRI 00752	> 99.999%
Mucor rouxii KFRI 780	> 99.999%
Penicillium citrinum KCTC 3733	> 99.999%
<b>Yeasts</b>	
Candida utilis KFRI 556	> 99.999%
Candida albicans KFRI 432	> 99.999%
Pichia polymorpha KFRI 00917	> 99.999%
Rhizopus oryzae KFRI 1007	> 99.999%
Saccharomyces cerevisiae KFRI 1014	> 99.999%
Zagosaccharomyces rouxii KFRI 00214	> 99.999%
<b>Viruses</b>	
Polio virus	Log 8
Hepatitis A	Log 8
Herpex simplex	Log 4
Influenza	Log 8
SARS (Caused by Coronavirus)	Log 8
MERS (Caused by Coronavirus)	Log 6
Common Human Coronavirus	Log 5
Norovirus	Log 8
Rotavirus	Log 8