



BACTERIA DESTRUCTION CHART

AMOUNT OF GERMICIDAL, SHORTWAVE (254nm),
ULTRAVIOLET ENERGY NECESSARY FOR COMPLETE
DESTRUCTION OF VARIOUS ORGANISMS

BACTERIA ORGANISMS	ENERGY MICROWATT SECONDS PER Cm2
Bacillus anthracis	8700
S. enteritidis	7600
B. Megatherium sp. (veg.)	2500
B. Megatherium sp. (spores)	5200
B. parathyphosus	6100
B. subtilis	11000
B. subtilis spores	22000
Clostridium tetani	22000
Corynebacterium diphtheriae	6500
Eberthella typosa	4100
Escherichia coli	6600
Micrococcus cadidus	12300
Micrococcus sphaeroides	15400
Mycobacterium tuberculosis	1000
Neisseria catarrhalis	8500
Phytomonas tumefaciens	8500
Proteus vulgaris	6600
Pseudomonas aeruginosa	10500
Pseudomonas fluorescens	6600
S. typhimuseum	15200
Salmonella	10000
Sarcina lutea	26400
Sarratia marcescens	6160
Dysentery bacilli	4200
Shigella paradysenteriae	3200
Spirillum rubrum	6160
Staphylococcus albus	5720
Staphylococcus aureus	6600
Streptococcus hemolyticus	5500
Streptococcus lactis	8800
Streptococcus viridans	3800

ADDITIONAL ORGANISMS	ENERGY MICROWATT SECONDS PER Cm2
YEAST	
Saccharomyces ellipsoideus	13200
Saccharomyces sp.	17600
Saccharomyces cerevisiae	13200
Brewer's yeast	6600
Baker's yeast	8800
Common yeast cake	13200
MOLD SPORES	
Penicillium roqueforti	26400
Penicillium expansum	22000
Penicillium digitatum	88000
Aspergillus glaucus	88000
Aspergillus flavus	99000
Aspergillus niger	330000
Rhisopus nigricans	220000
Mucor racemosus A	35200
Mucor racemosus B	35200
Oospora lactis	11000
VIRUS	
Bacteriophage (E. coli)	6600
Tobacco mosaic	44000
Influenza	6600
PROTOZOA	
Paramecium	200000
Nematode eggs	92000
Chlorella vulgaris (algae)	22000

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