



BACTERIA DESTRUCTION CHART

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

<u>BACTERIA ORGANISMS</u>	<u>ENERGY MICROWATT SECONDS PER Cm2</u>	<u>ADDITIONAL ORGANISMS</u>	<u>ENERGY MICROWATT SECONDS PER Cm2</u>
Bacillus anthracis	8700	YEAST	
S. enteritidis	7600	Saccharomyces ellipsoideus	13200
B. Megatherium sp. (veg.)	2500	Saccharomyces sp.	17600
B. Megatherium sp. (spores)	5200	Saccharomyces cerevisiae	13200
B. paratyphosus	6100	Brewer's yeast	6600
B. subtilis	11000	Baker's yeast	8800
B. subtilis spores	22000	Common yeast cake	13200
Clostridium tetani	22000		
Corynebacterium diphtheriae	6500	MOLD SPORES	
Eberthella typosa	4100	Penicillium roqueforti	26400
Escherichia coli	6600	Penicillium expansum	22000
Micrococcus cadidus	12300	Penicillium digitatum	88000
Micrococcus sphaeroides	15400	Aspergillus glaucus	88000
Mycobacterium tuberculosis	1000	Aspergillus flavus	99000
Neisseria catarrhalis	8500	Aspergillus niger	330000
Phytomonas tumefaciens	8500	Rhizopus nigricans	220000
Proteus vulgaris	6600	Mucor racemosus A	35200
Pseudomonas aeruginosa	10500	Mucor racemosus B	35200
Pseudomonas fluorescens	6600	Oospora lactis	11000
S. typhimurium	15200		
Salmonella	10000	VIRUS	
Sarcina lutea	26400	Bacteriophage (E. coli)	6600
Sarratia marcescens	6160	Tobacco mosaic	44000
Dysentery bacilli	4200	Influenza	6600
Shigella paradysenteriae	3200		
Spirillum rubrum	6160	PROTOZOA	
Staphylococcus albus	5720	Paramecium	200000
Staphylococcus aureus	6600	Nematode eggs	92000
Streptococcus hemolyticus	5500	Chlorella vulgaris (algae)	22000
Streptococcus lactis	8800		
Streptococcus viridans	3800		

These viruses and bacteria are the cause of any problem you can name and they are mutating out of control!! We discovered the only water in the world that can kill pathogens (look at the organa lab results) Divide the exposure times by 254 and you will have the time in seconds required for complete destruction. This is the only product that allows enough exposure using frothing, concentrated heat and ultraviolet energy!