

ULTRAVIOLET SYSTEMS



ULTRAVIOLET DOSAGE REQUIRED FOR 99.9% DESTRUCTION OF VARIOUS ORGANISMS ($\mu\text{w sec/cm}^2$ @ 254 nanometer)

Bacteria

Bacillus anthracis	8,700
B. enteritidis	7,600
B. Megatherium sp. (vegetative)	2,500
B. Megatherium sp. (spores)	52,000
B. paratyphosus	6,100
B. subtilis (vegetative)	11,000
B. subtilis (spores)	58,000
Clostridium tetani	22,000
Corynebacterium diphtheria	6,500
Eberthella typhosa	4,100
Escherichia coli	7,000
Leptospira interrogans	6,000
Micrococcus candidus	12,300
Micrococcus sphaeroides	15,400
Mycobacterium tuberculosis	10,000
Neisseria catarrhalis	8,500
Phytomonas tumefaciens	8,500
Proteus vulgaris	6,600
Pseudomonas aeruginosa	10,500
Pseudomonas fluorescens	6,600
Salmonella enteritidis	7,600
Salmonella paratyphi	6,100
Salmonella typhimurium	15,200
Salmonella typhosa (Typhoid)	6,000
Sarcina lutea	26,400
Serratia marcescens	6,200
Shigella dysenteriae (Dysentery)	4,200
Shigella paradysenteriae	3,400
Spirillum rubrum	6,160
Staphylococcus albus	5,720
Staphylococcus aureus	6,600
Streptococcus hemolyticus	5,500
Streptococcus lactis	8,800
Streptococcus viridans	3,800
Vibrio cholerae	6,500

Mold Spores

Aspergillus flavus	99,000
Aspergillus glaucus	88,000
Aspergillus niger	330,000
Mucor racemosus A	35,200
Mucor racemosus B	35,200
Oospora lactis	11,000
Penicillium digitatum	88,000
Penicillium expansum	22,000
Penicillium roqueforti	26,400
Rhizopus nigricans	220,000

Algae / Protozoa

Chlorella vulgaris (algae)	22,000
Nematode eggs	92,000
Paramecium	200,000

Virus

Bacteriophage (E. coli)	6,600
Hepatitis virus	8,000
Influenza virus	6,600
Polio virus	6,000
Rotavirus	24,000
Tobacco mosaic	440,000

Yeast

Baker's yeast	8,800
Brewer's yeast	6,600
Common yeast cake	13,200
Saccharomyces cerevisiae	13,200
Saccharomyces cerevisiae	13,200
Saccharomyces ellipsoideus	13,200
Saccharomyces sp.	17,600