

MICRO-ORGANISM DESTRUCTION CHART

(Ultraviolet Energy Levels At 2537 Angstrom Units Wavelength Required For 99.9% Destruction Of Various Microorganisms)
 (UV energy in microwatt seconds per square centimetre)

BACTERIA

<i>Agrobacterium tumefaciens</i>	8,500
<i>Bacillus anthracis</i>	8,700
<i>Bacillus megatherium</i> (vegetative)	2,500
<i>Bacillus megatherium</i> (spores)	52,000
<i>Bacillus subtilis</i> (vegetative)	11,000
<i>Bacillus subtilis</i> (spores)	58,000
<i>Clostridium tetani</i>	22,000
<i>Corynebacterium diphtheriae</i>	6,500
Dysentary bacilli (diarrhea)	4,200
<i>Escherichia coli</i> (diarrhea)	7,000
<i>Legionella bozemanii</i>	3,500
<i>Legionella dumoffii</i>	5,500
<i>Legionella gormanii</i>	4,900
<i>Legionella micdadei</i>	3,100
<i>Legionella longbeachae</i>	2,900
<i>Legionella pneumophila</i> (legionnaires disease)	3,800
<i>Leptospira interrogans</i> (infectious jaundice)	6,000
<i>Mycobacterium tuberculosis</i>	10,000
<i>Neisseria catarrhalis</i>	8,500
<i>Proteus vulgaris</i>	6,600
<i>Pseudomonas aeruginosa</i> (laboratory)	3,900
<i>Pseudomonas aeruginosa</i> (environmental)	10,500
<i>Rhodospirillum rubrum</i>	6,200
<i>Salmonella</i> (food poisoning)	10,000
<i>Salmonella enteritidis</i>	7,600
<i>Salmonella paratyphi</i> (enteric fever)	6,100
<i>Salmonella typhimurium</i>	15,200
<i>Salmonella typhosa</i> (typhoid fever)	7,000
<i>Sarcina lutea</i>	26,400
<i>Serratia marcescens</i>	6,200
<i>Shigella dysenteriae</i> (dysentary)	4,200
<i>Shigella flexneri</i> (dysentary)	3,400
<i>Shigella sonnei</i>	7,000
<i>Staphylococcus epidermidis</i>	5,800
<i>Staphylococcus aureus</i>	7,000
<i>Streptococcus faecalis</i>	10,000
<i>Streptococcus hemolyticus</i>	5,500
<i>Streptococcus lactis</i>	8,800
<i>Viridans streptococci</i>	3,800
<i>Vibro comma</i> (cholera)	6,500

MOLD SPORES

<i>Aspergillus flavus</i> (yellowish green)	99,000
<i>Aspergillus glaucus</i> (bluish green)	88,000
<i>Aspergillus niger</i> (black, bread mold)	330,000
<i>Mucor ramosissimus</i> (white-gray)	35,200
<i>Penicillium digitatum</i> (olive)	88,000
<i>Penicillium expansum</i> (olive)	22,000
<i>Penicillium roqueforti</i> (green)	26,400
<i>Rhizopus nigricans</i> (cheese mold)	220,000

ALGAE

<i>Chlorella vulgaris</i>	22,000
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PROTOZOA

Nematode eggs	92,000
Paramecium	200,000

VIRUSES

Bacteriophage (E. Coli)	6,600
Hepatitis	8,000
Influenza	6,600
Poliovirus (poliomyelitis)	7,000
Rotavirus	24,000
Tobacco mosaic virus	440,000

YEAST

Baker's yeast	8,800
Brewer's yeast	6,600
Common yeast cake	13,200
<i>Saccharomyces ellipsoideus</i>	13,200
<i>Saccharomyces sp</i>	17,600