INCIDENT ENERGIES

INCIDENT ENERGIES AT 253.7 NANOMETERS (2537 ANGSTROMS) NECESSARY TO INHIBIT COLONY FORMATION IN GREATER THAN 99.9% OF MICRO-ORGANISMS (MEASURED IN MICROWATT SECONDS PER SQUARE CENTIMETER)

BACTERIA	UV DOSE
Agrobacterium tumefaciens [5]	8,500
Bacillus anthracis [1,4,5,7,9]	8,700
Bacillus anthracis Spores	46,200
Bacillus megatherium Sp. (veg) [4,5,9]	2,500
Bacillus megatherium Sp. (spores) [4,9]	5,200
Bacillus paratyphosus [4,9]	6,100
Bacillus subtilis [3,4,5,6,9]	11,000
Bacillus subtilis Spores [2,3,4,6,9]	22,000
Clostridium tetani	23,100
Clostridium botulinum	11,200
Corynebacterium diphtheriae [1,4,5,7,8,9]	6,500
Dysentery bacilli [3,4,7,9]	4,200
Eberthella typhosa [1,4,9]	4,100
Escherichia coli [1,2,3,4,9]	6,600
Legionella bozemanii [5]	3,500
Legionella dumoffill [5]	5,500
Legionella gormanil [5]	4,900
Legionella micdadei [5]	3,100
Legionella longbeachae [5]	2,900
Legionella pneumophila (Legionnaire's Disease)	12,300
Leptospiracanicola-Infectious Jaundice [1,9]	6,000
Leptospira interrogans [1,5,9]	6,000
Micrococcus candidus [4,9]	12,300
Micrococcus sphaeroides [1,4,6,9]	15,400
Mycobacterium tuberculosis [1,3,4,5,7,8,9]	10,000
Neisseria catarrhalis [1,4,5,9]	8,500
Phytomonas tumefaciens [1,4,9]	8,500
Proteus vulgaris [1,4,5,9]	6,600
Pseudomonas aeruginosa (Environmental Strain) [1,2,3,4,5,9]	10,500
Pseudomonas aeruginosa (Lab. Strain) [5,7]	3,900
Pseudomonas fluorescens [4,9]	6,600
Rhodospirillum rubrum [5]	6,200
Salmonella enteritidis [3,4,5,9]	7,600
Salmonella paratyphi (Enteric Fever) [5,7]	6,100

BACTERIA (cont.)	UV DOSE
Salmonella Species [4,7,9]	10,000
Salmonella typhimurium [4,5,9]	15,200
Salmonella typhi (Typhoid Fever) [7]	7,000
Salmonella	10,500
Sarcina lutea [1,4,5,6,9]	26,400
Serratia marcescens [1,4,6,9]	6,160
Shigella dysenteriae - Dysentery [1,5,7,9]	4,200
Shigella flexneri - Dysentery [5,7]	3,400
Shigella paradysenteriae [4,9]	3,400
Shigella sonnei [5]	7,000
Spirillum rubrum [1,4,6,9]	6,160
Staphylococcus albus [1,6,9]	5,720
Staphylococcus aureus [3,4,6,9]	6,600
Staphylococcus epidermidis [5,7]	5,800
Streptococcus faecaila [5,7,8]	10,000
Streptococcus hemolyticus [1,3,4,5,6,9]	5,500
Streptococcus lactis [1,3,4,5,6]	8,800
Streptococcus pyrogenes	4,200
Streptococcus salivarius	4,200
Streptococcus viridans [3,4,5,9]	3,800
Vibrio comma (Cholera) [3,7]	6,500
Vibrio cholerae [1,5,8,9]	6,500

MOLDS	UV DOSE
Aspergillus amstelodami	77,000
Aspergillus flavus [1,4,5,6,9]	99,000
Aspergillus glaucus [4,5,6,9]	88,000
Aspergillus niger (breed mold) [2,3,4,5,6,9]	330,000
Mucor mucedo	77,000
Mucor racemosus (A & B) [1,3,4,6,9]	35,200
Oospora lactis [1,3,4,6,9]	11,000
Penicillium chrysogenum	56,000
Penicillium digitatum [4,5,6,9]	88,000
Penicillium expansum [1,4,5,6,9]	22,000
Penicillium roqueforti [1,2,3,4,5,6]	26,400
Rhizopus nigricans (cheese mold) [3,4,5,6,9]	220,000

PROTOZOA	UV DOSE
Chlorella vulgaris (algae) [1,2,3,4,5,9]	22,000
Blue-green Algae	420,000
E. hystolytica	84,000
Giardia lamblia (cysts) [3]	100,000
Nematode Eggs [6]	40,000
Paramecium [1,2,3,4,5,6,9]	200,000

YEASTS	UV DOSE
Baker's Yeast [1,3,4,5,6,7,9]	8,800
Brewer's Yeast [1,2,3,4,5,6,9]	6,600
Common Yeast Cake [1,4,5,6,9]	13,200
Saccharomyces cerevisiae [4,6,9]	13,200
Saccharomyces ellipsoideus [4,5,6,9]	13,200
Saccharomyces sp. [2,3,4,5,6,9]	17,600

VIRUS	UV DOSE
Adeno Virus Type III [3]	4,500
Bacteriophage [1,3,4,5,6,9]	6,600
Coxsackie	6,300
Infectious Hepatitis [1,5,7,9]	8,000
Influenza [1,2,3,4,5,7,9]	6,600
Rotavirus [5]	24,000
Tobacco Mosaic [2,4,5,6,9]	440,000

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