



Inactivation Energy Chart

Amount of UVC energy required for complete inactivation of various microorganisms

Organism	Energy microWatts/cm2	Organism	Energy microWatts/cm2
Bacteria		Mould Spores	
S.Enteritidis	8700	Penecillium Roqueforti	26400
B.Megatherium (veg)	7600	Penecillium Expansum	22000
B.Megatherium (spores)	5200	Penecillium Digitatum	88000
B.Paratyphosus	6100	Aspergillus Glaucus	88000
B.Subtilus	11000	Aspergillus Niger	33000
B.Subtilus Spores	22000	Aspergillus Flavus	99000
Clostridium Tetani	22000	Phiopus Nigricans	220000
Corynebacterium Diptheriae	6500	Muco Racemosus A	35200
Eberthella Typosa	4100	Muco Racemosus B	35200
Escherichlia Coli	6600	Oospora Lactis	11000
Micrococcus Candidus	12300		
Microcaccus Sphaeroides	15400	Virus	
Mycobacterium Tuberculosis	10000	Bacteriophage (E.Coli)	6600
Neisseria Catarrhalis	8500	Tobacco Mosaic	44000
Phytomonas Tumefaciens	8500	Influenza	5500
Proteus Vulgaris	6600		
Pseudomonas Aeruginosa	10500	Protozoa	
Psuedomonas Fiborescens	6600	Paramecium	200000
S. Syphimurium	15200	Nematode Eggs	9200
Salmonella	10000	Chlorella Vulgaris	22000
Sarcina Lutea	26400		
Serratia Marcescens	6160		
Dysentry Bacilli	4200		
Shigella Paradysenteriae	3400		
Spirillum Rubrum	6160		
Staphylococcus Albus	5720		
Staphylococcus Aureus	6600		
Steptococcus Lactis	8800		
Steptococcus Viridians	8000		
Yeast			
Saccharomyces Ellipsoideius	13200		
Saccharomyces sp	17600		
Saccharomyces Cerevisiae	13200		
Brewers Yeast	6600		
Bakers Yeast	8800		