

LiteSheet UV-C Irradiation Time to Achieve 99.99% Kill Rate for Specific Pathogen					
BACTERIA	30 Seconds	1 Minute	5 Minutes	30 Minutes	1 Hour
Acinetobacter baumannii	X				
Bacillus anthracis (Anthrax)	X				
Bacillus anthracis spores (Anthrax Spores)	X	X			
Bacillus megaterium					
Bacillus megaterium spores					
Bacillus paratyphosus					
Bacillus subtilis	X				
Bacillus subtilis spores	X	X			
Clostridium tetani	X	X			
Clostridium difficile	X	X			
Corynebacterium diphtheriae					
Ebertella typhosa					
Escherichia coli (E. Coli)					
Leptospira canicola (Infectious Jaundice)					
Micrococcus candidus	X				
Micrococcus sphaeroides					
Mycobacterium tuberculosis	X				
Neisseria catarrhalis	X				
Phytomonas tu mefaciens	X				
Proteus vulgaris					
Pseudomonas aeruginosa	X				
Pseudomonas fluorescens					
Salmonella enteritidis	X				
Salmonella paratyphi (Enteric Fever)					
Salmonella typhosa (Typhoid Fever)					
Salmonella typhimurium	X	X			
Sarcina lutea	X	X			
Serratia marcescens					
Shigella dysenteriae (Dysentery)					
Shigella flexneri (Dysentery)					
Shigella paradyenteriae					
Spirillum rubrum	X				
Staphylococcus albus					
Staphylococcus aureus					
Methicillin-resistant Staphylococcus aureus (MRSA)	X				
Staphylococcus hemolyticus					
Staphylococcus lactis	X				
Stenotrophomonas maltophilia	X	X	X		
Streptococcus viridans					
Vancomycin-resistant Enterococci (VRE)	X				
Vibrio cholerae (Cholera)					
VIRUS	30 Seconds	1 Minute	5 Minutes	30 Minutes	1 Hour
Bacteriophage					
Infectious Hepatitis	X				
Influenza					
Poliovirus-Poliomyelitis					
SARS-CoV-2 (COVID-19)	X				
Tobacco mosaic	X	X	X	X	
MOLD	30 Seconds	1 Minute	5 Minutes	30 Minutes	1 Hour
Aspergillus flavus	X	X	X		
Aspergillus glaucus	X	X	X		
Aspergillus niger	X	X	X		
Mucor racemosus A	X	X			
Mucor racemosus B	X	X			
Oospora lactis	X				
Penicillium expansum	X	X			
Penicillium roqueforti	X	X			
Penicillium digitatum	X	X	X		
Rhizopus nigricans	X	X	X		
YEAST	30 Seconds	1 Minute	5 Minutes	30 Minutes	1 Hour
Brewers yeast					
Candida albicans	X				
Common yeast cake	X				
Saccharomyces cerevisiae	X				
Saccharomyces ellipsoideus	X				
Saccharomyces spores	X	X			
PROTOZOA	30 Seconds	1 Minute	5 Minutes	30 Minutes	1 Hour
Chlorella Vulgaris	X	X			
Nematode Eggs	X	X	X		
Paramecium	X	X			

References:

- <https://www.americanairandwater.com/uv-facts/uv-dosage.htm>
- <https://www.frontiersin.org/articles/10.3389/fmicb.2019.02718/full>
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3048910/>
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2910020/>
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3463377/#:~:text=multidrug%2Dresistant%20A%20baumannii%20cells%20were%20inactivated%20at%20UVC%20exposures%20much%20lower%20than%20effect%20on%20mammalian%20cells&text=UVC%2Dinduced%20DNA%20lesions%20in>
- <https://www.medrxiv.org/content/10.1101/2020.06.05.20123463v2.full-text>