



The following common pathogens associated with HAI (Hospital Acquired Infection) require the following UVC dose for a 3 log reduction:

Acinetobacter spp. 36,000 $\mu\text{W}\text{-sec}/\text{cm}^2$

Clostridium difficile (spores) 11,500 $\mu\text{W}\text{-sec}/\text{cm}^2$

(Note: based on similarity to Clostridium perfringens spores)

Escherichia coli 7,900 $\mu\text{W}\text{-sec}/\text{cm}^2$

Enterococcus spp, including VRE 8,400 $\mu\text{W}\text{-sec}/\text{cm}^2$

(For Enterococcus (VRE), there is no data. Genomic modeling prediction)

Influenza virus 6,600 $\mu\text{W}\text{-sec}/\text{cm}^2$

Norovirus and feline calici virus 59,500 $\mu\text{W}\text{-sec}/\text{cm}^2$

(For Norovirus, no data. Genomic modeling prediction)

Staphylococcus aureus, including MRSA 12,100 $\mu\text{W}\text{-sec}/\text{cm}^2$

¹ reference Ultraviolet Germicidal Irradiation Handbook, Kowalski 2009