



Indian Institute of Technology Indore

Discipline of Biosciences and Biomedical Engineering

Room No. SB-214, Khandwa Road, Simrol,
Indore, Madhya Pradesh - 453 552 INDIA
E-mail : nayakdn@iiti.ac.in

Dr. Debasis Nayak
MVSc., Ph.D.
Associate Professor

IIT Indore

Date: September 14, 2020

Test report of UV-mediated viricidal activities of portable UV lamp

The test was conducted on request made by Mr. Naryan Pharkya, Founder and Director of "The Next Generation" company.

The test is solely related to testing of effectiveness of the UV lamp supplied by the requester, against killing of live viruses. The test involved use of prototypic animal virus (vesicular stomatitis virus) *in vitro* cell culture assays.



Laboratory of Virology and Viral Immunology							
Test #	Date	UV Power	Distance	Exposure time in seconds			
Test -1	Sep 8, 2020	11 Watt	8 inch	2	3	5	10
Percentage of viricidal effect				<50%	<75%	<99.9%	<99.9%

Test #	Date	UV Power	Distance	Exposure time in seconds			
Test -2	Sep 13, 2020	11 Watt	6 inch	2	3	5	10
Percentage of viricidal effect				<50%	<75%	<99.99%	<99.99%

Conclusion: A minimum distance of 8 inch and exposure time of 5 seconds is required for surface sterilization of the objects placed under the above mentioned UV lamp.

The test does not involve any other evaluation/certification/parameter.

Debasis Nayak
14.9.2020
Dr. Debasis Nayak
Associate Professor
Biosciences & Biomedical Engineering
Indian Institute of Technology Indore
INDORE (M.P) INDIA