



Infection Free Hospitals

INDIA's FIRST Non-UV Disinfection Lighting

Effective against all types of
Bacteria, Fungi, Viruses including
COVID-19 & hMPV



RAY-PURE

Deliver STERILITY Through LIGHTING

RAY-PURE ANTIBIOTIC LIGHTING

Non-UV, Safe for Humans, Protects 24/7 Product.

RAY-PURE SAFE ANTIBIOTIC LIGHT is a New & Disruptive Product that Protects Humans from Air Borne Infections in Closed Spaces. Its a BOON in the era of increasing MICROBIAL RESISTANCE and Diminishing tribe of newer ANTIBIOTIC DRUGS.

RAY-PURE is the First NON_UV product, (UV Lights are hazardous for Human skin & eyes), with demonstrated ability to remove Airborne Pathogen DIRECTLY from AMBIENT AIR, be it the Germs, Viruses & Fungi.



Credentials:

CCMB tested on Corona Virus SarsCoV 2 with effectiveness of 95% reduction in 60 minutes.

Oliva Skin clinics certified as safe for Skin after three months of use.

MS Unit verified that the Emission Spectrum does not contain UVA/UVB/UVC/IR. Studies have established the germicidal Efficacy of our Antibiotic Light on every disease causing Microbial known over last 2 decades.

Benefits:

The RAY-PURE enables Continuous Disinfection of Indoor Air, which was not technically possible till now!

RAY-PURE Continuously Sanitizes our Homes, Offices, Malls, Theatres, Elevators.

More importantly, RAY-PURE Sterilizes the Medically Critical spaces like HOSPITALS, ICUs, OPERATION THEATERS & DOCTOR'S CONSULTING ROOMS., which are continuously

**AFFORDABLE | SUSTAINABLE |
SCALABLE NON-UV DISINFECTION**

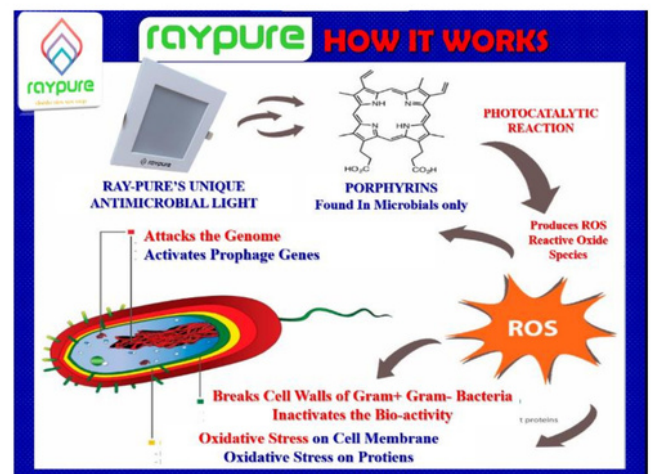
under attack by infections breathed out by the visiting sick-patients.'

Ruggedness & Longevity & Ease of Use: Ray-pure Lasts for over 5 years. It needs no Servicing, no additional Power, No Consumables. The Monthly Cost of Ownership is less than a cup of Coffee. v4

How it works (Ray-Pure Antibiotic Light.)

RAY-PURE light contains proven ANTIBIOTIC rays that fall within the Safe Visible Spectral region, Visible Light (VIBGYOR) is harmless to Human beings. This fact is certified by MS University Baroda, who analysed the emitted rays and confirmed the absence of UVA, UVB or UVC or IR.

Every Microbial Pathogen is surrounded by Associated PORPHYRINS. RAYPURE's Anti Biotic Light (ABL), through Photocatalytic Action on porphyrins, produces ROS or Reactive Oxide Species. The highly reactive ROS breaks the skin of the Bacteria & Lipid covered Viruses, & thereby destroys them. The ROS acts through multiple fronts. ROS creates Oxidative stress on nuclei acids, interferes with the Gene regulations mediated by blue-light photoreceptor proteins and by activation of prophage genes.



The human cells do not have porphyrins and hence we are not harmed by ABL lights. (This safety to human skin has been certified by 158 strong team of all UK qualified dermatologists at 'Oliva' after 3-months of live use.)





Are you looking for a reliable, all-in-one **sterilization solution** for a Bio-safe environment across your facility?

Is **reducing the risk of Infections** Airborne & Surface in critical areas like ICUs and operating rooms a **top priority** for you?

Transform your Hospital Environment to
**PATHOGEN-FREE
ROUND THE CLOCK**



Scan for
Approval Certificates



RAYPURE CERTIFICATES →

Scan here



TESTED VERIFIED BY CCMB ON COVID VIRUS

NO RADIATION -IT IS VISIBLE LIGHT ONLY

सी सी एम बी CCMB
कोशिका विज्ञान एवं अणुविकीय जीव विज्ञान केंद्र
CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY
उपमार्ग रोड, हैदराबाद - 500 037, INDIA
Uppal Road, Hyderabad- 500 037, India

Page no 1 of 2

Anti-viral Testing Report Date: 17th August, 2021

Name of the Company: LEDCHIP INDUS P.LTD.
Specifics of the Product: RAYPURE NON-UV LIGHT
Name of the virus tested: SARS-CoV2
Tested Concentrations (min): 15, 30, 45, 60, 90

Assay Details:

Assay Performed	Materials used	Manufacturer
Viral RNA Extraction	MegMAX TM Viral/Pathogen II Nucleic Acid Isolation Kit	Applied Biosystems (by Thermo Fisher Scientific)
qRT-PCR	MERIL COVID-19 One-Step RT-PCR Kit	MERIL Diagnostics

Results: The device showed 98% viral reduction at 90min. The viral particles reduced from $10^{4.2}$ to $10^{0.4}$ at 90 min. The experiment was done in duplicates and the values were averaged to calculate % viral reduction. The regression equation for viral particles Vs Ct value of the N-gene specific to SARS-CoV2 virus is $y = -3.842x + 40.364$, $R^2 = 0.9954$ (X = Number of viral particles, y = Ct value). Number of viral particles are calculated using $X = (40.364 - Ct \text{ value}) / 3.842$. %Viral reduction = $\frac{\text{Number of viral particles in infection control} - \text{number of viral particles exposed to device}}{(\text{initial}) \text{ number of viral particles in infection control}} \times 100$

(Dr B Kiran Kumar)
Scientist-in-charge, CCMB

APPLIED PHYSICS DEPARTMENT
FACULTY OF TECHNOLOGY AND ENGINEERING
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
VADODARA - 390 001, GUJARAT, INDIA.
DST-FIST & UGC-DRS Sponsored Department

Dr. C. J. Panchal
Associate Professor

14th October 2021

Certificate of Radiational Safety of Raypure Disinfection Devices

PRODUCT TESTED
We have been tasked to examine & test the Raypure Non-UV Continuous Disinfection System LED LIGHT, that are employed in Bactericidal & Virucidal application, and are specified to have no radiation that are harmful for human beings.

RESULTS & CONCLUSION
We have examined the Spectral Power Distribution of the Raypure Disinfection device.
We hereby certify that the light emission of Raypure Disinfection device is limited to the range that is within the 'Visible' region of spectrum. Raypure's emissions do not contain any harmful radiation and Raypure emits neither the Ultraviolet UVA, UVB, UVC nor the Infra-Red IR.

Further certified that above emissions of the Raypure light have no scientifically established adverse effects on humans, as per the current scientific knowledge.

(Dr C. J. Panchal)
Dr. C. J. Panchal

CERTIFIED by AUSTRALIAN UNIV - UNSW

DERMATOLOGISTS' - CERTIFIED

raypure
Anti-Microbial Light

UNSW SYDNEY
AUSTRALIA
Optometry and Vision Science

ACTIVITY OF Q-GUARD NON-UV LIGHTS AGAINST CORONAVIRUS

Figure 2: Formula to calculate anti-viral activity

Sample	N	Viral Counts (pfu/ml)	Reduction (%)
Test (150 minutes)	4	2007 ± 2218	73%
Test (90 minutes)	4	4842 ± 1638	75%
Test (120 minutes)	4	1595 ± 305	95%
Control (180 minutes)	10	23551 ± 5557	-

CONCLUSION
The Q-Guard lights can reduce the number of viable coronavirus particles by more than 70% after 90 minutes and more than 95% after 180 minutes of exposure to the Q-Guard lights.

(Prof. Mervyn Wright)
Research Fellow
School of Optometry & Vision Science
UNSW Sydney

School of Optometry and Vision Science
The University of New South Wales
UNSW SYDNEY NSW 2052
AUSTRALIA

OLIVA
SKIN & HAIR CLINIC
8th December 2021

TESTIMONIAL OF APPRECIATION

Oliva has been using Raypure Non-UV Disinfection Lights since August 2021 (4months) as an additional precautionary measure against infections to keep our customers safer from Covid19 and harmful bacteria.

No adverse events have been reported during this period among our staff and clients.

Raypure has conducted measurements of Airborne Bacteria at the premises of OLIVA's facility, Pre & post illumination of single Raypure light of 18W in 2 rooms. The results showed a welcome reduction of 70% of airborne Microbials by over 70% within one hour of illumination by Raypure Anti-Microbial Light.

We also have taken note of the results of the tests conducted on SARS-CoV-2 at the CCMB, which yielded in reduction of SARS-CoV-2 by 95% in one hour.

We have recommended for further installations in our OLIVA HAIR & SKIN CLINICS.

(Dr Rekha Singh)
Dr Rekha Singh
Senior consultant Dermatologist

Srinivas HOLISTIC REMEDIES PVT LTD.
Head Office: Center Point Building, 3rd Floor, 359-363/302, S.P. US Consulate Lane
Bengalpet, Secunderabad, Telangana 500015. E: info@holisticremedies.com
Bengaluru | Chennai | Hyderabad | Kochi | Kolkata | Pune | Visag
Call Centre 1800 253 3893 T (24x7) 445757575
www.holisticremedies.com

Oliva skin & hair clinics
Corporate Identity Number
UIN112G2008PFC06208

WEBSITE

PRODUCTS

FAQ'S

WhatsApp

LEDCHIP INDUS PVT LTD

29, EC, Hyderabad 500062

sales@ledchipindus.com

RaypureHealthLight1@gmail.com

9000081171 | 7207074339

www.raypure.in

