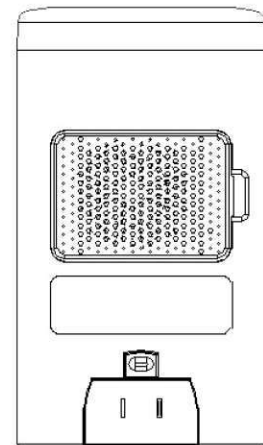
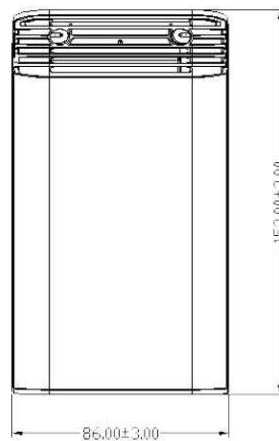
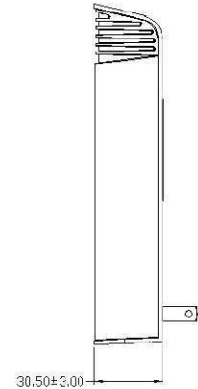
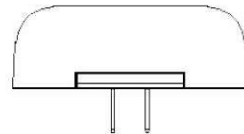


RAYCONO triliros Air Sterilizer



Product Dimensions

-Unit: mm



RC100

- Quiet at work
- Plug and play
- Exquisite and small, without any waste of living space
- Diversified use scenarios
- Replaceable plug-in interfaces and world ready

Specification

Model	Input voltagez	Rated Power (w)	Air Volume (m ³ /h)	Effective area (m ²)	Noise (dB)	Sterilization rate	Product dimensions (mm)	Packing dimensions (mm)	Net weight (kg)
RAP-005A	100-240Vac 50/60Hz	4	3.5	10-18	<50	99.9%	153*86*30.3	240*116*45	0.5

Note: The value of air volume, power consumption and noise are specified at static pressure 0 Pa.

The value of air volume is the max value and a tolerance of $\pm 10\%$ is allowed

The value of noise level is A weight average sound pressure level, the mean value is measured by our company.

A tolerance of +3dB/-7dB is allowed.

The noise is measured at 1m apart from the left, the front and the below of the product.

Disclaimer:

Triliros inhibit activity or growth of viruses but do not prevent infection.

Individual results may vary based on usage, and environmental variables (temperature and humidity).



Raycono triliros series air sterilizers, which are based on the air cleaning technology of the International Space Station (NASA), are jointly developed by Angel Porgador, a world-renowned immunologist and the president of Israel Immunological Society, and Raycono's R&D team. As the advanced triliros patented technology greatly improves the air disinfection and purification ability, they are a new generation of air sterilizers that can realize man-machine coexistence. Applicable to all indoor scenarios such as home space, commercial space, public space and industrial space, they can effectively remove formaldehyde and dust in indoor environment, and efficiently kill harmful elements such as viruses and bacteria. It has been monitored and verified by international authorities such as SGS [that the sterilization rate can reach up to 99.99%](#). As a result, the indoor air can receive long-lasting sterilization and purification, which effectively guarantees the sanitation and cleanliness of indoor air.

RAP-005A is a quiet, highly efficient and modern micro air sterilizer. It can be applied to family bathrooms, kitchens, bedrooms and offices. Depending the area size, multiple units can be combined in the same space to achieve maximum purification and provide you with a safe and cozy living environment.

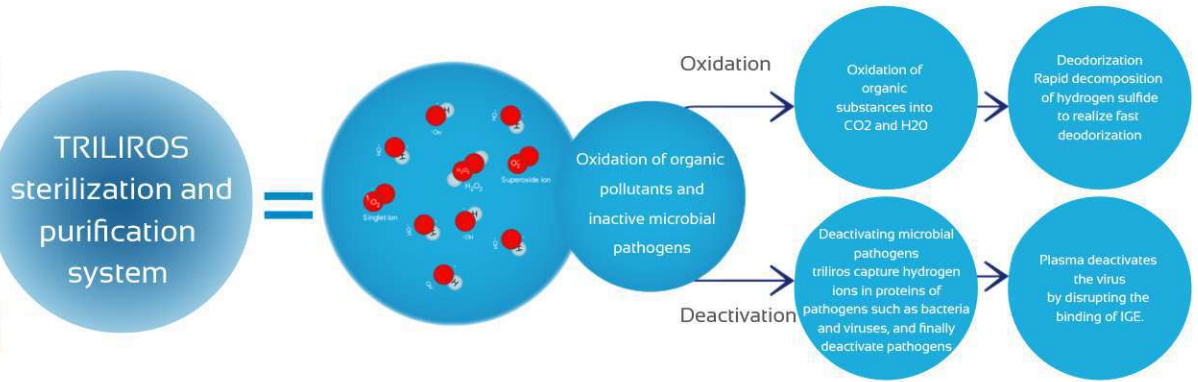
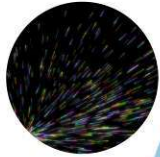


Mechanism of Raycono triliros

triliros :

Trillions of iROS (integrated Reactive Oxygen Species)

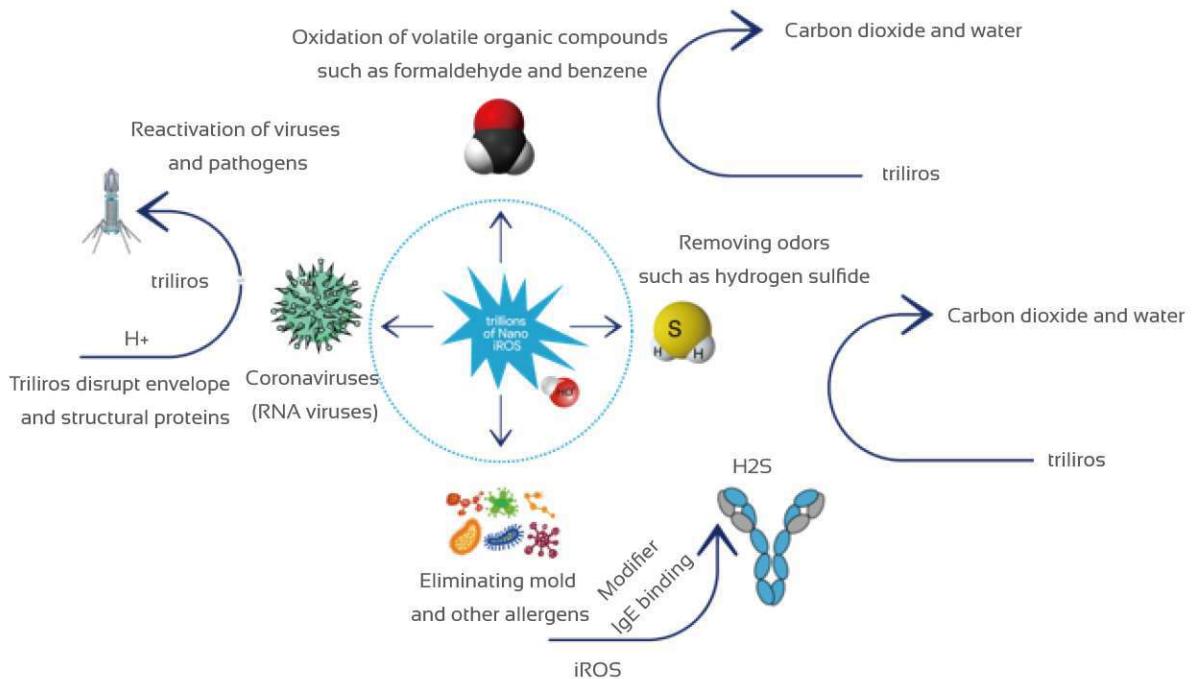
ROS triggered by photons



Coronal discharge of ceramic Peltier effect

Working principle of Raycono triliros

Our triliros device generates trillions of ROS every second. Those ROS disrupts envelope/capsid /RNA/DNA /protein of virus. These hydroxyl radicals also instantly attack carbon based, organic molecules, breaking apart their chemical bonds, deodorizing smells, instantly decomposing them and simply leaving water and carbon dioxide.



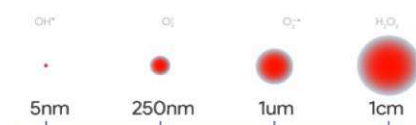
Nanometer size of substances

Protein virus bacteria macrophage Daphnia baseball



Relative diffusion range of triliros

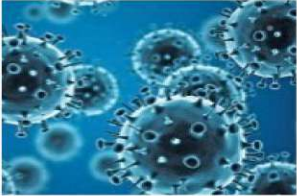



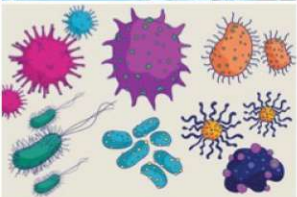



Hydroxyl singlet oxygen superoxide hydrogen peroxide



Introduction to Raycono triliros Features

Raycono air sterilizer converts protein of virus to decompose bacteria and virus through advanced triliros technology. It is a safe, fast sterilizer, able to be used for air and surface sterilization, dust removal and deodorization.

Triliros patented technology is under the leadership of Dr. Angel Porgador, a world-famous immunologist, Raycono developed the patented technology of triliros sterilization and purification and successfully put it into application. Meanwhile, various critical toxicological verifications were completed. Raycono obtained stringent accreditation from top international biological laboratories (INNOVATIVE BIOANALYSIS) again with preminent performance as usual.

			
			
<p>A</p> <p>Deactivating virus and microbial pathogens</p>	<p>B</p> <p>Deodorizing odors and smells</p>	<p>C</p> <p>Redoxing to remove VOCs such as Benzene and formaldehyde from shampoo, detergent, and kitchen gas</p>	<p>D</p> <p>Eliminating allergenic from pets dander</p>
<p>Extensive sterilization</p> <p>It works on almost all pollutants</p>	<p>Practical sterilization</p> <p>High efficiency, energy saving and no need of consuming materials</p>	<p>Thorough sterilization</p> <p>Decomposition instead of filtering</p>	<p>Safe sterilization</p> <p>The final products of purification are harmless substances such as carbon dioxide and water</p>

Testing reports

COVID-19 tested by Innovative Bioanalysis in the United States, **it shows that the sterilization efficiency in 30 minutes is 99.99%.**

INNOVATIVE BIOANALYSIS
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Efficacy Study Summary

Study Title: SARS-CoV-2 USA-CAL/2020 PATHOGEN AIR PASSION RC-A3300™

Laboratory Project #: 1080

Goal/Issue: Microbial TOC standards and non-inventoriated standard exist.

Testing Facility: Innovative Bioanalysis, Inc.

Study Dates:
Study Initiation Date: 5/8/2021
Study Completion Date: 6/7/2021

ISO Compliance: All Internal SOPs and processes follow ISO guidelines and recommendations.

Test Substance: SARS-CoV-2 USA-CAL/2020

Description: An in vitro study to determine the efficacy of the Raycono RC-A3300™ against the known pathogen SARS-CoV-2.

Test Conditions: The test was conducted in a sealed shingled method test box. The testing chamber maintained a humid environment and low noise B10 laboratory, which maintained negative pressure greater than 12.00 PA. The temperature during the test was maintained at 71°F (21°C). Under a relative humidity of 30%, air samples are collected daily by the manufacturer on September 3, 2020, and used as a standard flow of 8.00 L/min. The filtration process indicates a 2.30% increase. The reduction rate after the new amount of virus stock is

Test Results: Rayco SARS-CoV-2 was not detected in the air after 30 minutes of the unit's operating time with virus levels in the 100 TCID50 per liter of concentration. This unit is up to a 4-02 product compared to the control unit. These results equate to a 99.99% reduction of the infective active pathogen in the air in a sealed environment with the Raycono RC-A3300™ system operating.

Control Results: A virus stock of SARS-CoV-2 USA-CAL/2020 with a concentration of

Conclusion: The Raycono RC-A3300™ demonstrated the ability to reduce the concentration of the active pathogen SARS-CoV-2 from the air in a small, sealed environment.

Innovative Bioanalysis, Inc. RAYCONO RC-A3300™ AEROSOL V1.0 Page 9 of 18

INNOVATIVE BIOANALYSIS
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Study Report

Study Title: SARS-CoV-2 USA-CAL/2020 PATHOGEN AIR RAYCONO RC-A3300™

Sponsor: Argentina, Ltd.

Test Facility: Innovative Bioanalysis, Inc. 3168 Arroyo Ave. Suite D, Costa Mesa, CA 92626

Device/Testing: Testing the efficacy of the Raycono RC-A3300™ against a known pathogen, SARS-CoV-2.

Study Report Date: 6/7/2021
Experimental Start Date: 5/8/2021
Experimental End Date: 5/8/2021
Study Completion Date: 6/7/2021

Study Objective: This in vitro study was designed to determine the efficacy of the Raycono RC-A3300™ system against the airborne transmission of the known pathogen SARS-CoV-2. The Raycono RC-A3300™ system is designed to be placed in a vehicle to decrease the spread of pathogens.

Test Method:
Biological Generation: For the control and the virus challenges, the nebulator was filled with the same amount of virus stock **Biological Sampling:** For air sampling, one Biorad 10 programmable constant flow rate, local, the manufacturer collected the air samples in September 2020, and the cartridges were inspected prior to use. Air sample volume collected, was confirmed prior to use with a 0.1m 90 liter @ 2.5m 200700.12 and a High Flow Bubble Generator 20-200022.01. The air sample was captured in conjunction with a membrane based cassette, which was manually removed after each challenge time point. The cassette had a duplicate internal filtration disc to collect viral samples.

Test System/Strains: SARS-CoV-2

The following report was developed by the Center for Disease Control and Prevention and distributed through the Resources, HHS, New SARS-CoV-2 Core Unit, 1604A USA-CAL/2020, N9-9130.

*The viral titer listed in the Certificate of Analysis is representative of the total number of AEI Resources. These viruses are present on vehicle calls after the house or at a partner lab to the concentrations listed within the equipment design.

Innovative Bioanalysis, Inc. RAYCONO RC-A3300™ AEROSOL V1.0 Page 8 of 13

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Study Results

SARS-CoV-2 USA-CAL/2020



Time (min)	Concentration
0	8.32E+07
30	5.64E+01

*AEI is pertains to data represented herein, the value of 1.2E+02 indicates a titer that is lower than the specified limit of quantitation. The limit of quantitation for this assay is 1.2E+02.
**AEI is pertains to data represented herein, the percentage error equates to an average of 45% of the final concentration.

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