

HYGENX™
by HamiltonBuhl®

Vray Portable UV-C Sanitizer



Vray is a Winner!

Chosen on Wellbot's 2020 List of
Top 25 Smart Products of the Year!

HYGENX-VRAY



**Independent Lab Test Results Prove
Vray Kills 99.99% of the COVID-19 Virus!**

**Use Anywhere Germs Spread – Desks, Laptops,
Pens, Tablets and More – Kills 99.99% of COVID-19
and 99.9% of Bacteria!**

Easily, quickly and safely clean and sanitize all objects and surfaces with HygenX™ Vray, the high intensity cordless UV-C sanitizer that kills 99.99% of COVID-19 Virus and 99.9% of bacteria on everyday items, used and shared, in today's classrooms, offices and homes.

Lightweight and cordless, Vray is designed for easy portability and features a rechargeable battery. Capable of hands-free and portable operation, Vray can be used to clean anywhere and anything in a classroom, home or office, even large toys, keyboards, instrument panels, touchscreens, etc.

A patented safety sensor is activated as the unit is turned on, and Vray turns off automatically when the unit is tilted 30° in either direction, to prevent exposure to skin and eyes, and ensures exposure only to the intended sanitation target. There is also an option to turn off the safe mode to allow sanitization of odd shaped and larger objects.

The HygenX™ Vray UV-C lamps are encased in shatter-safe coating ensuring if the lamp breaks, it will break internally within the casing with no glass fragments to clean up.

HygenX™ Vray will give you ease of use, safety and peace of mind to ensure every shared item, every object and every spot in any room is clean!

Product: 18.4" x 4.6" x 2.7"; 1.5 lbs.
Shipping: 22" x 12.9" x 4.5"; 3.85 lbs.

EPA Est. No. 96961-KOR-1



**When used properly,
kills 99.9% of:**

- Escherichia Coli (E-Coli)
- Pseudomonas Aeruginosa
- Staphylococcus Aureus
- Klebsiella Pneumoniae
- MRSA
- Salmonella Typhimurium
- Bacillus Subtilis
- Vibrio Parahaemolyticus
- Human Coronavirus
- Influenza A Virus (H3N2)
- Human Rhinovirus

**When used properly,
kills 99.99% of:**

- COVID-19 Pandemic Virus

Specifications:

- Lamp: UV-C lamp 8W with safe coating
- UV-C lamp uses 253.7nm Wavelength
- Typical UV-C lamp lifespan ranges from 4,000 hours to 8,000 hours before lamp requires replacement.
- Frequent on/off switching will significantly influence lamp life.
- Ozone-Free
- Battery: Rechargeable Lithium-Ion
- Adapter 100-240V, 50-60Hz, 12V 2.0A
- Charging time: Approx. 2 hours
- Operation time: Approx. 3.5 hours
- Warranty: Vray unit 1 year; UV-C Lamp Warranty: N/A

**HB Hamilton
Buhl®**
Never-Ending Learning Innovation

80 Little Falls Road, Fairfield, NJ 07004
Phone: 1-800-631-0868 • Fax: 1-800-398-1812
sales@hamiltonbuhl.com

www.HamiltonBuhl.com

Test Result Assessments between Strain Samples and HygenX™ Vray

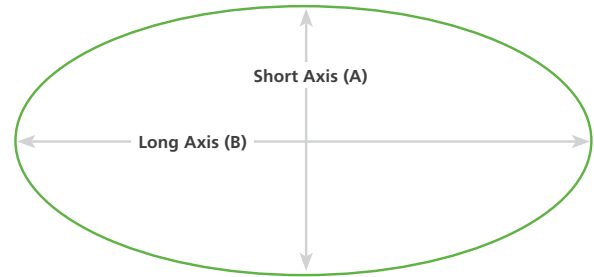
See % reduction of the strain based on time and distance from the sample indicated on column headings.

Strains	5 Seconds at 5cm (~2")	5 Seconds at 20cm (~8")	10 Seconds at 20cm (~8")	30 Seconds at 20cm (~8")	2 Minutes at 5cm (~2")	5 Minutes at 20cm (~8")
COVID-19	99.99%	98.531%	99.853%	99.99%	Killed in 5-30 seconds. See columns at left.	
Escherichia Coli (E-Coli)	99.9%		99.9%			
Pseudomonas Aeruginosa	99.9%		99.9%			
Staphylococcus Aureus	99.9%		99.9%			
Klebsiella Pneumoniae	99.9%		99.9%			
MRSA	99.9%		99.9%			
Salmonella Typhimurium	99.9%		99.9%			
Bacillus Subtilis	99.9%		99.9%			
Vibrio Parahaemolyticus	99.9%		99.9%			
Human Coronavirus	*Human Coronavirus are larger cells and require more time to destroy. See columns at right.					
Influenza A Virus (H3N2)					99.999%	99.999%
Human Rhino Virus					99.9999%	99.9964% @ 6"

HygenX™ Vray Light Sanitizing Areas (Based on Various Heights)

Height In Inches	Estimated Area	
	Short Axis (A)	Long Axis (B)
2"	13"	17"
4"	20.5"	22.5"
6"	25"	32.5"
8"	28.5"	38"

HygenX™ Vray Sanitizing Area



Vray Independent Lab Test Results:

Lab test results show how the HygenX™ Vray kills 99.99% of COVID-19 virus and provides up to 99.9% or better in bacteria/germ reduction when used properly. Using Vray gives you peace of mind that every shared item, every object in the classroom is sanitary!

[SGS Lab – Independent Lab Test – All Tests](#)

[Independent Lab Test Results – COVID-19 Virus](#)

[KCL Lab – Independent Lab Test – All Tests](#)

[KRICT Lab – Independent Lab Test – All Tests](#)

[KTR Lab – Independent Lab Test – All Tests](#)

Kills 99.9% of germs in seconds!

