

ULTRAVIOLET DISINFECTION CABINET

UV4C



VIRUSES AND BACTERIA ARE EVERYWHERE



Viruses and bacteria are ubiquitous. In long-term working and living space, there may be a large number of unrecognized viruses and bacteria, and these are potential health threats!

ULTRAVIOLET DISINFECTION IS A BETTER METHOD

Compared with familiar disinfection methods using liquid and powder based disinfectants, ultraviolet disinfection lamps are widely used, extremely efficient and more convenient to operate. UV light does not only disinfect surfaces, air and water, but also eliminates mildew and mites.

UVC proven to inactivate COVID 19

Signify and Boston University validate effectiveness of Signify' s UV-C light sources on inactivating the virus that causes COVID-19.

“Our test results show that above a specific dose of UV-C radiation, viruses were completely inactivated: in a matter of seconds we could no longer detect any virus.”

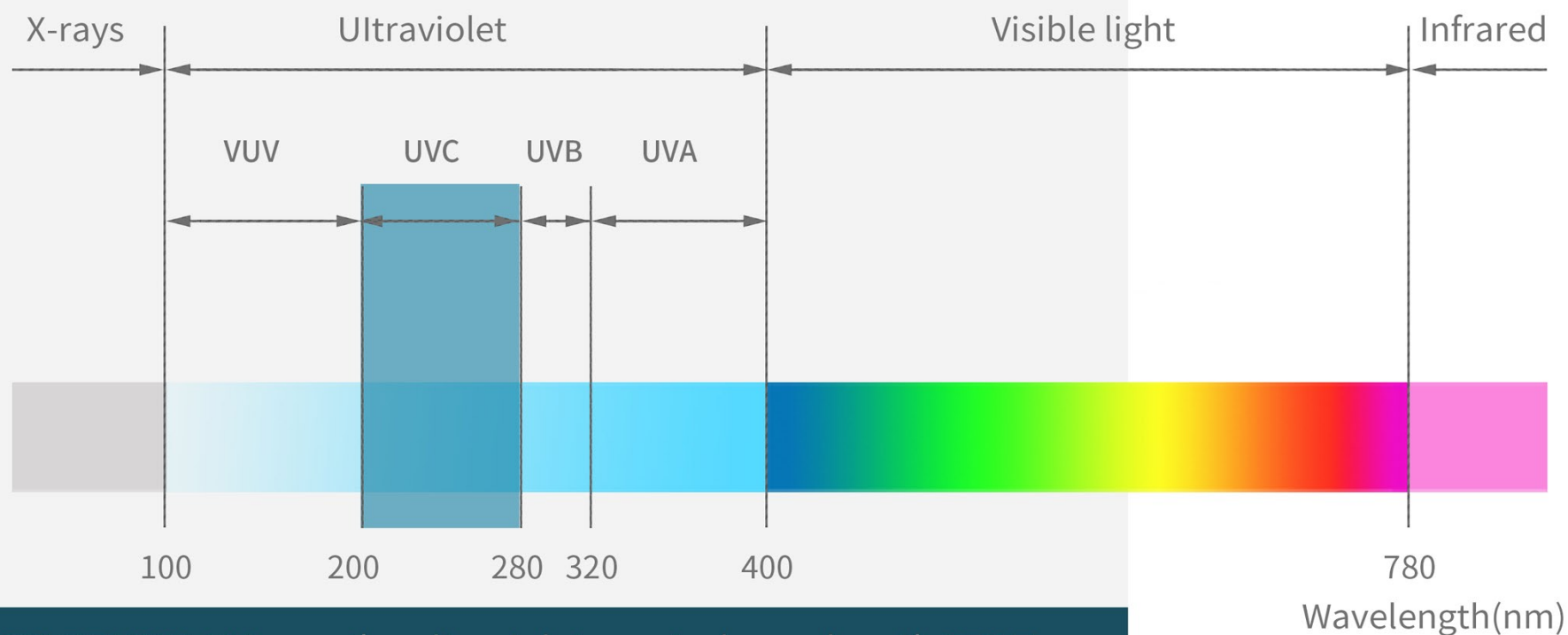
Dr. Anthony Griffiths Associate Professor of Microbiology at Boston University School of Medicine

---Excerpt from Signify and Boston University validate effectiveness of Signify' s UV-C light sources on inactivating the virus that causes COVID-19



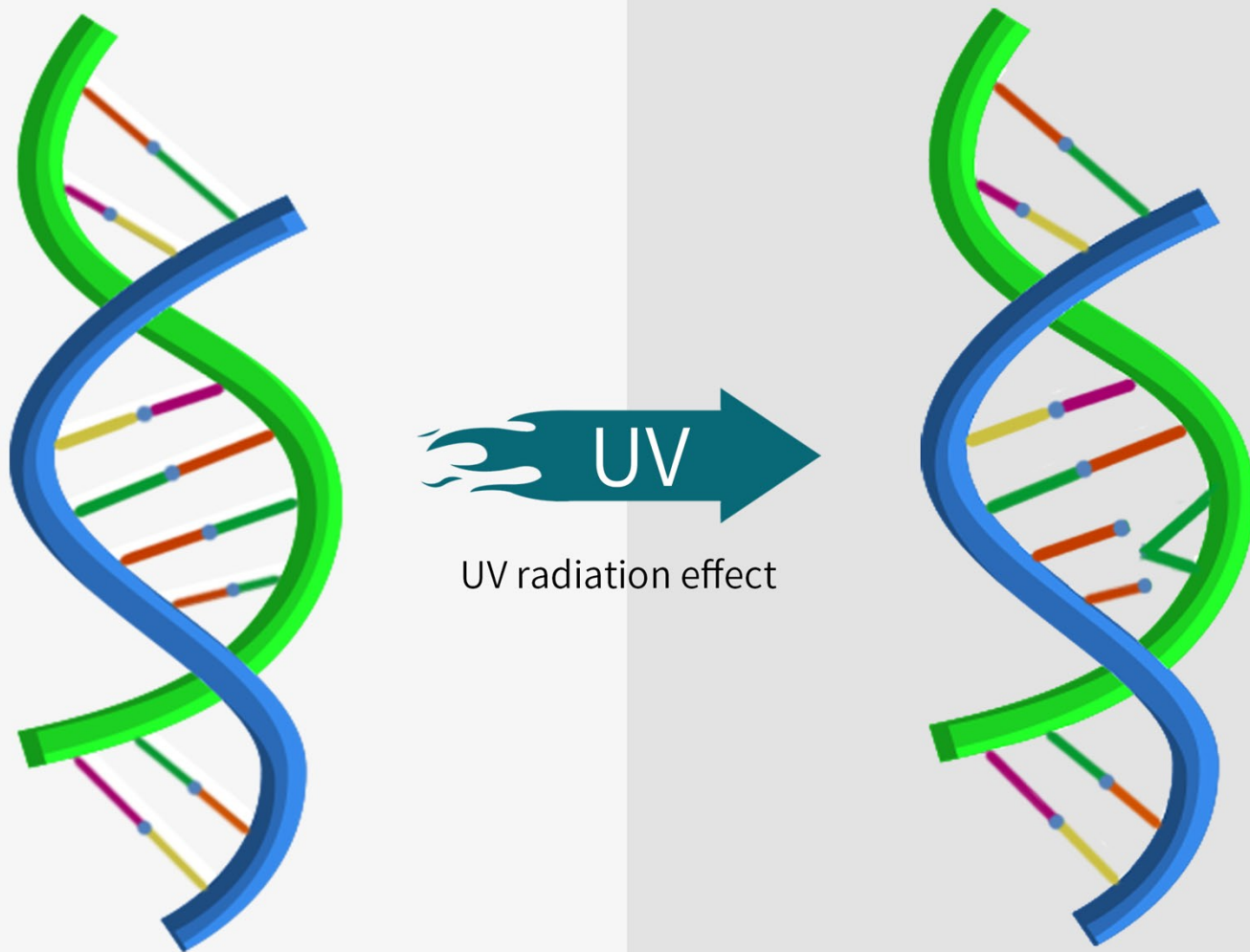
WHAT IS UV AND UVC?

Ultraviolet light is a form of radiation and an invisible part of the electromagnetic spectrum. It has a wavelength between 100nm-380nm. UVC with a wavelength of 200nm-280nm has proved to be the most effective disinfectant wavelength in the UV Spectrum. As we all know UV Light is also found in sunlight.



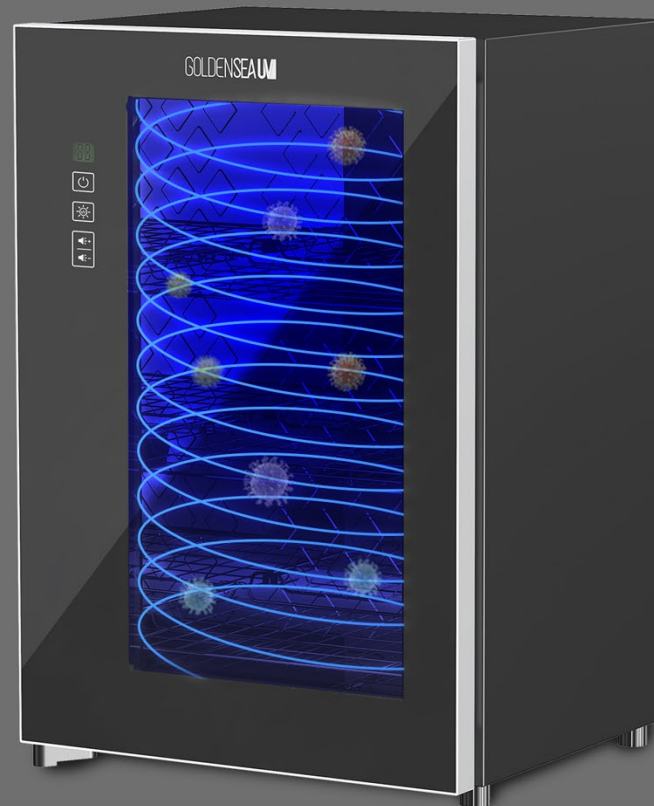
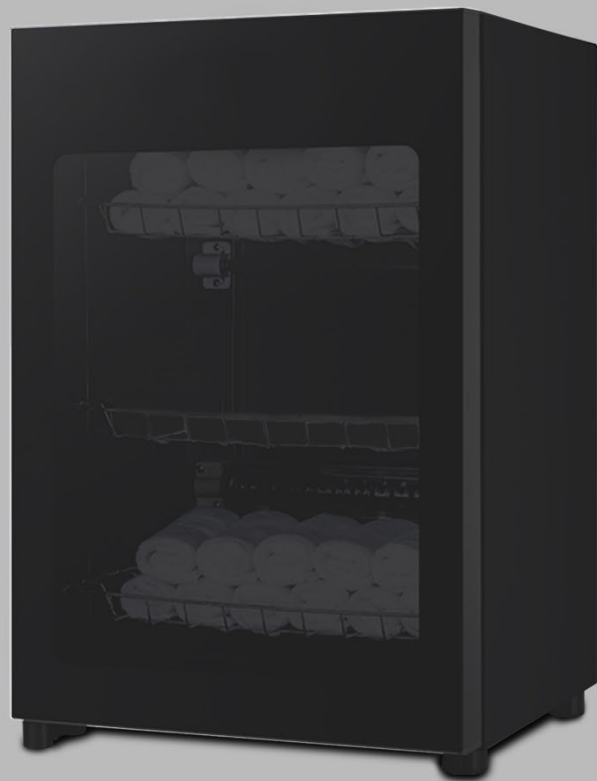
GOLDENSEA UV uses the ultraviolet spectral wavelength 253.7nm. This belongs to the short-wave UVC spectrum and is an efficient and better choice for disinfection!

HOW DOES UVC KILL BACTERIA AND VIRUS?



UVC (in particular 253.7nm) destroys the molecular structure of DNA (deoxyribonucleic acid) and RNA (ribonucleic acid) of microbial (bacteria and virus) cells, causing the death of growth cells and/or regenerative cells, thus achieving the effect of disinfection.

MORE EFFICIENT



LOW POWER
LOW COST

COMPARED TO COMPETITION, OURS IS MORE EFFICIENT



59L

**BIG ENOUGH TO DISINFECT MULTIPLE ITEMS
SMALL ENOUGH TO FIT ANYWHERE**

10 MINUTES TO KILL
EASY TO CHILL



DISINFECTION RATE 99.9%

PROVIDE A SAFE AND CLEAN ENVIRONMENT



广东省微生物分析检测中心 GUANGDONG DETECTION CENTER OF MICROBIOLOGY 分析检测结果 ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2020PMA030113805

1.检测项目: 空气消毒效果验证试验。检测方法: 参照《消毒技术规范》2002年版2.1.3现场试验
2.1.1实验结果:

| 作用时间 | 试验菌种 | 序号 | 菌落总数 (cfu/m ³) | 死亡率 (%) |
|--------|--------|----|-------------------------------|------------|
| 0 (CK) | 空气中自然菌 | 1 | 1.8×10 ⁷ | |
| | | 2 | 1.6×10 ⁷ | |
| | | 3 | 2.1×10 ⁷ | |
| 1h | 空气中自然菌 | 1 | 1.7×10 ⁷ | 90.56 |
| | | 2 | 1.1×10 ⁷ | 93.13 |
| | | 3 | 1.4×10 ⁷ | 93.33 |

(续下表)

备注
Remarks: 方法描述: 飞利浦紫外线灯作用 1h, 后, 用撞击式微生物采样器 JWL-6 以 28.3 升/分钟的抽风量进行采样, 采样时间为 5min, 采样空间为 1m³。

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2.1.1实验结果:

| 病毒名称 | 作用时间 | 试验序号 | 空气中病毒含量 (TCID ₅₀ /m ³) | 死亡率 (%) |
|----------------|--------|------|--|------------|
| 甲型流感病毒 H5N2 | 0 (CK) | 1 | 1.35×10 ⁷ | |
| | | 2 | 1.35×10 ⁷ | |
| | | 3 | 1.70×10 ⁷ | |
| 宿主名称: MDCK 细胞 | 1h | 1 | 3.64×10 ⁷ | 95.32 |
| | | 2 | 5.76×10 ⁷ | 92.24 |
| | | 3 | 4.79×10 ⁷ | 95.10 |

注: 该病毒试验结果已消除微生物在空气中自然消亡因素的影响。
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备注
Remarks: 样品在 10m³ 的试验舱内进行实验。

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2.1.1实验结果:

| 作用时间 | 测试微生物 | 序号 | 空气中菌落总数 (cfu/m ³) | 死亡率 (%) |
|--------|--|----|----------------------------------|------------|
| 0 (CK) | 白色葡萄球菌 (<i>Staphylococcus aureus</i>) 8052 | 1 | 3.8×10 ⁶ | |
| | | 2 | 3.5×10 ⁶ | |
| | | 3 | 3.3×10 ⁶ | |
| 1h | 白色葡萄球菌 (<i>Staphylococcus aureus</i>) 8052 | 1 | <0.1×10 ² | >99.96 |
| | | 2 | <0.1×10 ² | >99.96 |
| | | 3 | <0.1×10 ² | >99.96 |

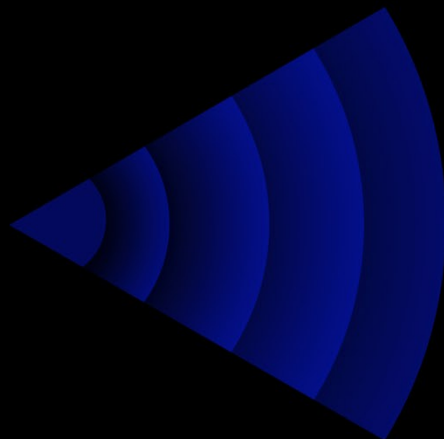
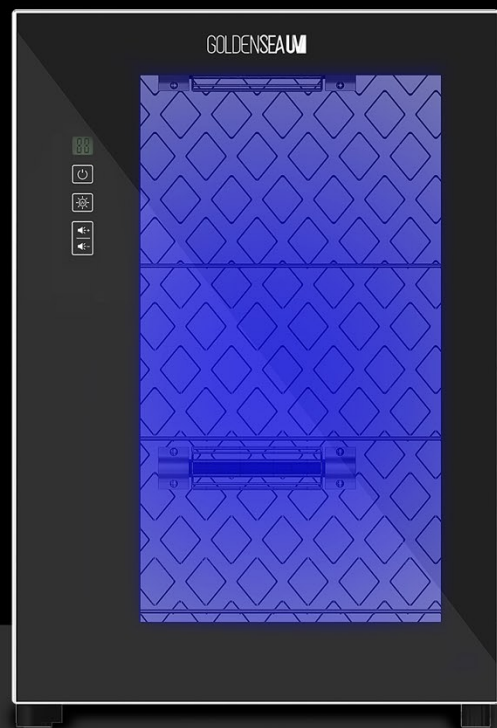
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备注
Remarks: 1.方法描述: 在空间 1m³ 的试验舱内, 即在实验室试验的条件下, 该样品作用 1h 后, 用液体撞击式微生物气溶胶采样器以 11L/min 的流量进行采样, 采样器的体积为 200ml。试验舱与对照组的采样时间均为 5min。
2.该病毒试验结果已消除微生物在空气中自然消亡因素的影响。

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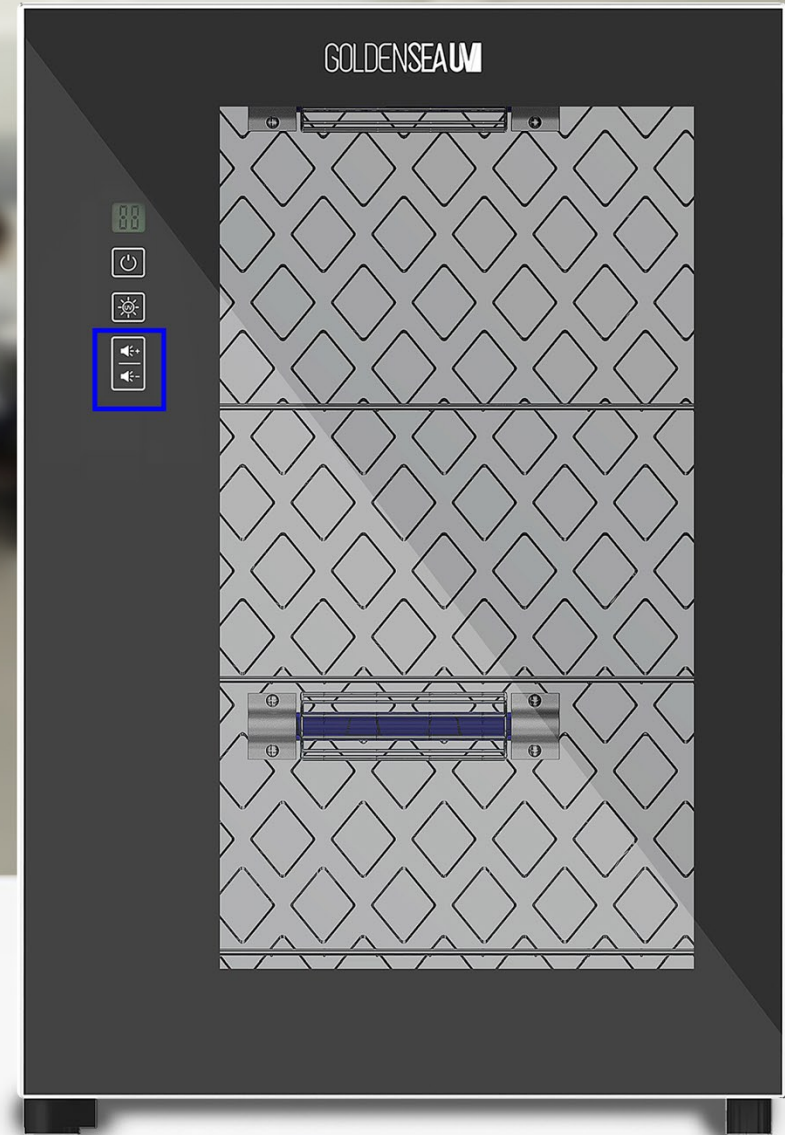
SAFETY BY DESIGN



WHEN THE DOOR IS OPENED, THE LAMP
WILL BE DEACTIVATED IMMEDIATELY



BUZZER ALARM INDICATES THE END OF DISINFECTION
Can adjust the volume at will, suitable for different places



3 REMOVABLE SHELVES
FOR MAXIMUM FLEXIBILITY



**NO OZONE
SAFE AND HARMLESS
LEAVE NO RESIDUE**

Note: Only when used in accordance with manufacturer instructions





High-impact glass tube,
allows full transmission of ultraviolet light

PRECAUTIONS

1. The disinfection function can only be activated after the cabinet door is closed.
2. Valuables are not recommended to be put into the cabinet. Items may be discolored.
3. Inflammable and explosive articles are prohibited to be put into the disinfection cabinet.



Results achieved only if used alongside existing routine cleaning and disinfection programs

PRODUCT INFORMATION



Product: Ultraviolet disinfection cabinet

Model: UV4C

Light Source Wattage: 4Wx2

Light Source Lifespan: Max.6,000h

Voltage: 100VAC~120VAC 50/60HZ & 220~240VAC 50/60HZ

Control: Touch keys

Main Material: aluminum alloy and anti-UV organic glass

Function: UV disinfection

Wavelength: 253.7nm

Dimension: 440x365x630mm

Weight: 10.8kgs

Cable Length: 1.8m

Compliance: CE, ETL, FCC

Application: disinfect daily use items: mobile phone, headset, mask, office stationery, makeup tools, and other items



About GOLDENSEA UV

GOLDENSEA UV is manufactured by industry leading hi-tech lighting design and manufacturer Golden Sea Professional. Our large team of experts ensures quality, safety and performance are of the highest level. All GOLDENSEA UV's products are CE, ETL and FCC compliant and listed.

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