



## Ayra Sanitizer

Developed in Italy, Ayra is an extremely compact room sanitizer which, by spraying a sanitizing liquid, offers a remarkable ability to disinfect the environment. The nebulization takes place by means of micronozzles, high pressure operated (about  $15 \text{ Kg /cm}^2$ ), at impulse speed.

The droplets size is small, (about  $50 \text{ micron/m}$ ). By evaporating quickly, the said droplets become part of the air humidity and get into contact with all the environment surfaces and crevices and keep inside an effective sanitation for long periods.

Ayra is capable to sanitize approximately  $1500 \text{ m}^3$  of air in 5 hours having the potential to treat about  $300 \text{ m}^3 / \text{h}$  by programming cycle times and repetition of sanitization. The benefit is not just surface coverage, but completely handles any air-born particles

Equipped with wheels, Ayra appliances can be easily moved to different areas of the environment and rechargeable batteries so that it can work for a certain period even without connection to power outlets.

The appliances are made entirely of stainless steel and the parts in contact with the liquid are made of AISI 316 and Teflon.

Various sanitizing liquids can be sprayed.

# MODELS AND SPECIFICATIONS

## Ayra:

- Power Supply: 100V-240V 50/60 Hz
- Maximum installed power 100W
- Average consumption at max power 45W on standby 8W
- Batteries 2 x12V 7Ah sealed
- Dimensions: 850 x 400 x 250 mm (HxWxD)
- Weight: 20 kg
- Operates with 2 batteries, rechargeable, 12 V (5 hours of operation approx.)
- On/Off Timer for weekly programming
- Wireless module, Bluetooth, Sim antenna, Sim card (UART, SPI, SDIO, I2C, PWM, TVPWM, I2S, IRGPIO) (optional)



## Ayra Trolley:

Unlike the standard model, the trolley version has an elegant handle to be easily transported just like a classic travel suitcase.

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- Weight: 20 kg
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- On/Off Timer for weekly programming

*Optional - Wireless module, Bluetooth, Sim antenna, Sim card (UART, SPI, SDIO, I2C, PWM, TVPWM, I2S, IRGPIO)*





## Ayra – Mini

Ayra Mini is very compact. Can be placed on top of furniture or shelves, blending in well with the surrounding and keep your smaller spaces clean.

- Power Supply: 100V-240V 50/60 Hz
- Max installed power 100W
- Average consumption at max power 45W on standby 8W
- Dimensions: 535 x 300 x 200 mm (HxWxD)
- Weight: 6 kg

*Optional - Battery operated (12V 2,2ah) and handle*

## THE Ayra ADVANTAGE

Until now, the importance of disinfectant as part of infection prevention and cleaning protocols has been left in the foreground. With CoVID-19 release of the Corona Virus, the need for a thorough solution to keeping indoor public and private spaces disinfected and sanitized is imperative.

Ensures safety protocols without any business interruption. This will provide confidence to customers/employees with the comfort that their environment is protected.

Unlike electrostatic devices, Ayra appliances are standalone. With the patented unique design, there is less labor required as they can be deployed in multiple locations, utilizing wireless and blue tooth capable, with an ON/OFF weekly, daily, hourly timer.





## PRODUCT SOLUTION

### Description

SILVER DIHYDRATE CITRATE (SDC) antimicrobials. Electrolytically generated source of stabilized ionic silver that can serve as the basis for a wide range of products in diverse markets. Colorless, odorless, tasteless, and non-caustic and the aqueous SDC formulates well with other compounds.

SDC is ready to use disinfectant and sanitizer, on non-hard surfaces. It is a patented and EPA-registered hard surface disinfectant and food contact surface sanitizer. SDC offers broad spectrum efficacy, rapid contact times and 24-hour residual protection. It is registered as a no rinse food contact surface sanitizer that has demonstrated efficacy against a broad spectrum of germs including, Staphylococcus, Salmonella, Listeria, Norovirus, **Human Coronavirus**, HIV, Hepatitis A, B and C.

In a scientific review conducted by the **EU's Scientific Committee on Consumer Products**, they have deemed SDC to be non-toxic by oral exposure, non-toxic by dermal exposure, non-irritating and not a skin sensitizer.

**World Health Organization** assessed the safety of using silver compounds for sanitizing drinking water and concluded that there have been no reports of toxic effects resulting from the exposure of healthy persons to these compounds.

### ACTIVE INGREDIENTS:

- Silver ions 0.003%
- Citric acid 4,846%
- Water 95.151%
- SILVER DIHYDRATE CITRATE (SDC) antimicrobials



## METHOD OF USE:

### DISINFECTION:

#### APPLICATION AREAS:

- Houses, offices, hospitals, restaurants, schools, hotels, toilets, recreational facilities, public transportation.
- It can be used on paints, glazed tiles, plastic, metal, glass, and glazed porcelain stoneware.
- For other surfaces, check on a small part of the surface before use.

## SCOPE OF PROTECTION:

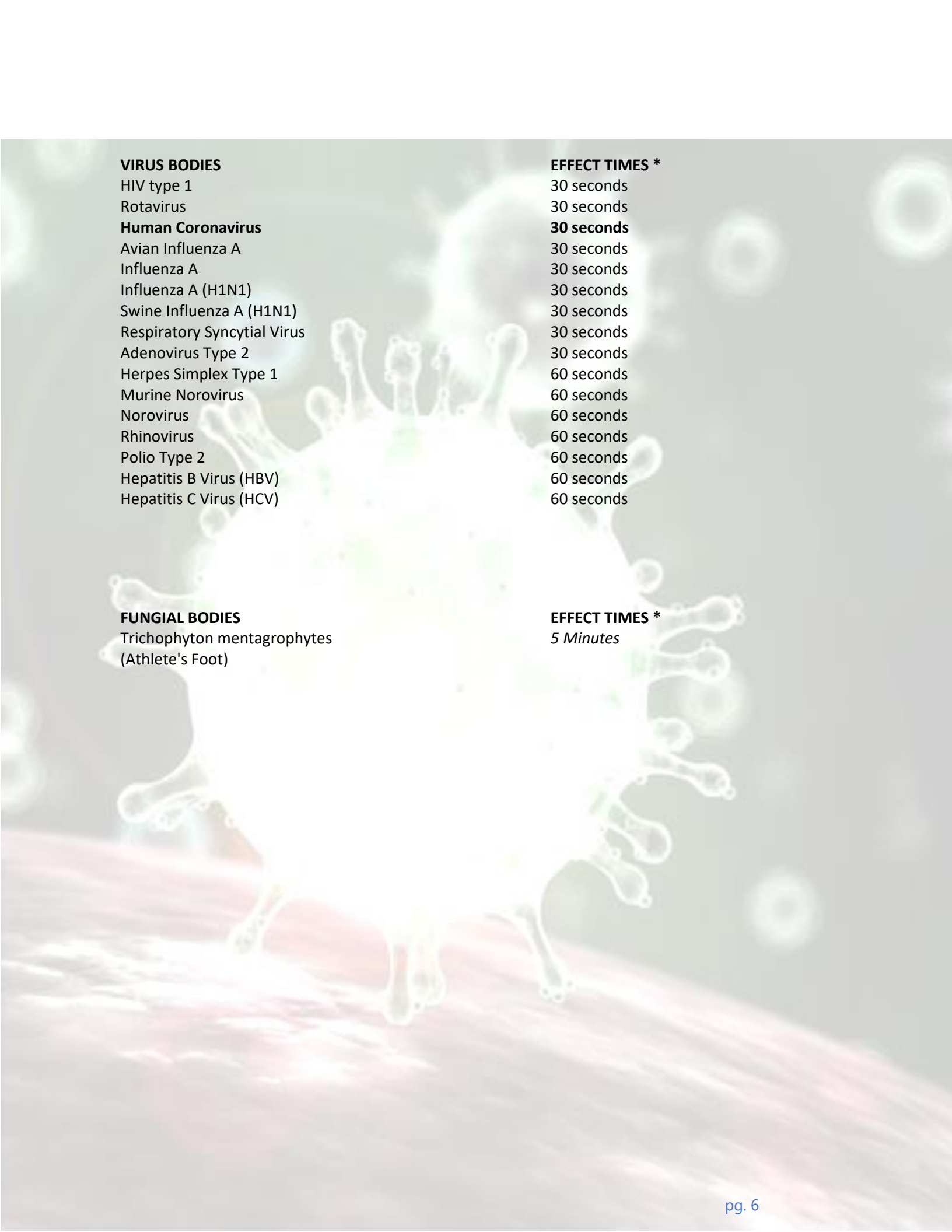
If used according to the instructions, this product maintains additional protection from *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* up to 24 hours after initial application. See the complete list of bacterial bodies, and the efficacy below:

#### BACTERIA BODIES

*Pseudomonas aeruginosa*  
*Enteric salmonella*  
*Staphylococcus Aureus*  
*Listeria monocytogenes*  
Vancomycin resistant *Enterococcus faecium* (VRE)  
Methicillin resistant *Staphylococcus aureus* (MRSA)  
Community Associated MRSA (CA-MRSA)  
Community Associated MRSA (CA-MRSA-PVL)  
*Escherichia coli* O157: H7  
*Acinetobacter baumannii*  
*Campylobacter jejuni*  
Carbapenem resistant *Escherichia coli*  
Carbapenem resistant *Klebsiella pneumoniae*  
Carbapenem resistant *Klebsiella pneumoniae*, NDM-1

#### EFFECT TIMES \*

30 seconds  
30 seconds  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes  
2 minutes



### **VIRUS BODIES**

HIV type 1

Rotavirus

#### **Human Coronavirus**

Avian Influenza A

Influenza A

Influenza A (H1N1)

Swine Influenza A (H1N1)

Respiratory Syncytial Virus

Adenovirus Type 2

Herpes Simplex Type 1

Murine Norovirus

Norovirus

Rhinovirus

Polio Type 2

Hepatitis B Virus (HBV)

Hepatitis C Virus (HCV)

### **EFFECT TIMES \***

30 seconds

30 seconds

**30 seconds**

30 seconds

30 seconds

30 seconds

30 seconds

30 seconds

30 seconds

60 seconds

60 seconds

60 seconds

60 seconds

60 seconds

60 seconds

60 seconds

### **FUNGIAL BODIES**

Trichophyton mentagrophytes  
(Athlete's Foot)

### **EFFECT TIMES \***

*5 Minutes*