



# GuardOne<sup>®</sup> Workstation

Safe • Reliable • Easy to use

GuardOne

*Passionate for Science.*



[www.starlab.co.uk](http://www.starlab.co.uk)

# GuardOne® Workstation

## Safe

- ▶ Efficient UV<sub>254nm</sub> decontamination with timer function
- ▶ Automatic UV lamp cut-off when front sash is opened
- ▶ Efficient, class H14 HEPA filter with pre-filter\*
- ▶ ISO class 5 working environment\*

## Reliable

- ▶ UV lamp lifespan surveillance
- ▶ HEPA filter lifespan surveillance\*
- ▶ Realtime airflow measurement\*
- ▶ Device status monitoring

## Easy to use

- ▶ Glove-compatible touchscreen
- ▶ One touch QuickStart / QuickStop - always start with your preferred settings for airflow speed\*, light and light colour (white or red)
- ▶ Virtually maintenance free
- ▶ Easy to clean

## Innovative

- ▶ Minimal packaging volume and weight reduces transport needs
- ▶ Easy, tool-free assembly - set up your GuardOne® in just 15 minutes
- ▶ Tool-free HEPA filter\* exchange in just 2 minutes.

\*Laminar Flow models only





Graphical user interface with touchscreen. The touchscreen is fully compatible with laboratory gloves, making the operation of GuardOne® as easy as possible.



Convenient Quick Start / Quick stop function: start GuardOne® with one touch using saved settings for airflow speed, light and light colour.



All operating parameters can be changed from a single menu: Airflow speed, light and light colour.

Consumables/Equipment not included.



## Work with your valuable samples without cross-contamination

STARLAB's new GuardOne® Workstation provides the ideal workspace for sensitive and critical applications requiring a clean environment, or protection from potential contaminations by bacteria, DNA or RNA. GuardOne® minimizes cross-contamination risk and protects your valuable samples and reagents and saves you time by not having to duplicate your work.

The GuardOne® Workstation with silent, energy-saving fan, real-time airflow measurement and two stage filter system creates an ISO 5 cleanroom environment\* to improve your results. The UV lamp with timer function allows you to easily decontaminate the working area whenever needed. Made from optically-clear, UV-imper-

meable polycarbonate, GuardOne® provides the user with an optimal view while working and full protection from harmful UV when decontaminating. A safety-switch on the sash door prevents any UV use while working.

Every aspect of GuardOne® has been designed with convenience in mind. All functions can be controlled via the intuitive touchscreen that is compatible with laboratory gloves. The integrated lab timer, constant monitoring of the UV lamp and the HEPA filters lifespan will ease your work further. Check the GuardOne® status at a glance and at any time using the color coded status indicator on the touchscreen.

\* Laminar flow models only

## GuardOne® Workstation can be used for various applications such as:

- ▶ Sample preparation prior to thermocycling of DNA or RNA
- ▶ Post-PCR techniques
- ▶ Binding studies and other incubations
- ▶ Cell culture work
- ▶ Sterile solution preparations
- ▶ (Molecular) plant physiology (use the innovative red-light option for light sensitive experiments)
- ▶ Microbiological culture work
- ▶ Any sensitive experiments requiring a controlled, clean environment

## Get Green with STARLAB

GuardOne® has been designed with the environment in mind

### ▶ Minimal packaging volume

GuardOne® is supplied in six pieces and is easy to assemble without the need for tools (patent pending). Assembly requires no specialist knowledge and can be completed in 15 minutes. The innovative design reduces package volume compared to comparable competitor products, thus providing a 50% saving on both space and shipping resources.

### ▶ Minimal power consumption

Energy-saving LED lighting and the latest fan technology results in one of the lowest power consumptions available on the market; 38 W for Dead Air models and 90 W (32") or 160 W (48") for Laminar flow models.

### ▶ Reduced waste

GuardOne® UV lamps have a lifespan of up to 9000 hours, thereby significantly reducing both the cost and waste associated with frequent replacement.



ORDER INFORMATION		
Description	Pack Size	Cat. No.
<b>GuardOne® Dead Air Workstations <sup>1)</sup></b>		
GuardOne® Dead Air 32" (80 cm)	1	S8040-1000
GuardOne® Dead Air 48" (120 cm)	1	S8040-1001
<b>GuardOne® Laminar Flow Workstations <sup>2)</sup></b>		
GuardOne® Laminar Flow 32" (80 cm)	1	S8040-0000
GuardOne® Laminar Flow 48" (120 cm)	1	S8040-0001
<b>Accessories / Replacements</b>		
Trolley for 32" models	1	S8040-0017
Trolley for 48" models	1	S8040-0018
HEPA Filter for 32" laminar flow model	1	S8040-0010
HEPA Filter for 48" laminar flow model	2	S8040-0011
Pre-Filter for 32" & 48" laminar flow models	2	S8040-0014
Shelf with integrated pipette holder for 32" models	1	S8040-0015
Shelf with integrated pipette holder for 48" models	1	S8040-0016
UV lamp for 32" models	1	S8040-0012
UV lamp for 48" models	2	S8040-0013
<sup>1)</sup> incl. UV-lamp and shelf		
<sup>2)</sup> incl. Pre- & HEPA filter, UV-lamp and shelf		

2-year warranty

## A perfect match



STARLAB offers a comprehensive range of high-quality PCR plates  
[www.starlab.click/pcrplates](http://www.starlab.click/pcrplates)



Our CytoOne® range of dishes, flasks and plates provide optimum growth and handling for your cells.  
[www.starlab.click/cytoone](http://www.starlab.click/cytoone)

TECHNICAL SPECIFICATIONS				
Model	Dead Air Workstation 32"	Dead Air Workstation 48"	Laminar Flow Workstation 32"	Laminar Flow Workstation 48"
Dimension (W x D x H) outside	813 x 610 x 877 mm	1220 x 610 x 877 mm	813 x 610 x 877 mm	1220 x 610 x 877 mm
Dimensions (W x D x H) working area	800 x 600 x 600 mm	1200 x 600 x 600 mm	800 x 600 x 600 mm	1200 x 600 x 600 mm
Weight	32 kg	35 kg	36 kg	42 kg
Air velocity	-	-	0.2 – 0.4 m/s	0.2 – 0.4 m/s
LED light intensity	1400 lux	1400 lux	1400 lux	1400 lux
HEPA filter	-	-	1x H14	2x H14
HEPA filter lifespan monitor	-	-	yes	yes
Lab timer	Yes	Yes	Yes	Yes
Pre-filter	-	-	1x	2x
Realtime airflow measuring	-	-	Yes	Yes
UV lamp	1x 15 W	2x 15 W	1x 15 W	2x 15 W
UV lamp lifespan monitor	Yes	Yes	Yes	Yes
UV timer	Yes	Yes	Yes	Yes
UV safety switch	Yes	Yes	Yes	Yes
Power consumption	38 W	38 W	90 W	160 W

- ▶ Tool-free assembly in just 15 minutes.
- ▶ Tool-free HEPA filter exchange in just 2 minutes.
- ▶ Tool-free UV lamp exchange in just 2 minutes.

No specialist knowledge required.



[www.starlab.click/workstation](http://www.starlab.click/workstation)  
to watch a video of how easy it is  
to assemble the PCR workbench.



[www.starlab.co.uk](http://www.starlab.co.uk)

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