

*Patent Pending*

# **nUVaClean™**

## **UV Pipette Carousel**

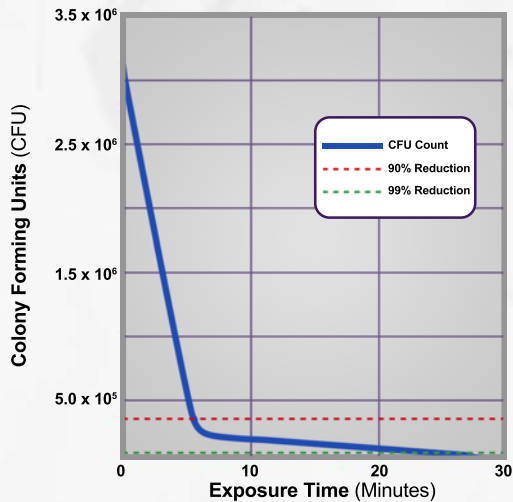


*The pipette carousel that does so much more...*  
**Stores • Protects • Disinfects**

# nUVaClean™

## UV Pipette Carousel

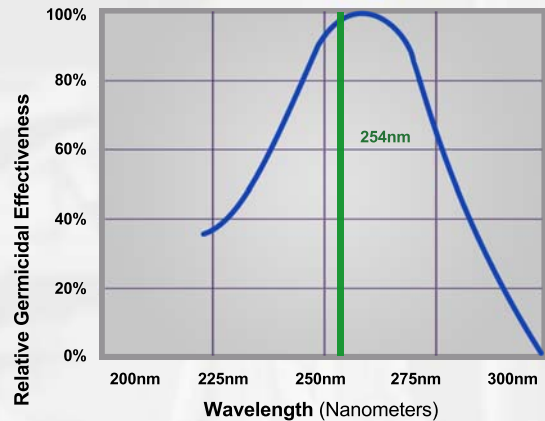
### Effectiveness of nUVaClean™ on S. aureus\*



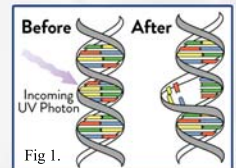
Adjustable pipettes were inoculated with *S. aureus* and placed in the UV Pipette Carousel. Individual pipettes were removed during the Auto-Decon™ cycle at various intervals and rinsed to collect any residual contamination. The rinses were then plated and the CFU counted to determine the effectiveness of a single decontamination cycle.

\*Information compiled by an independent research laboratory.

### Germicidal Lamp Output vs. Effectiveness



The blue curve, above, shows the germicidal effectiveness of UV light on *E. Coli*. The green line represents the 254nm wavelength of industry standard germicidal lamps like the one at the core of the nUVaClean's pipette chamber. This lamp emits greater than 90% of its light at 254nm, which causes damage to the DNA of microorganisms, preventing their growth and reproduction, ultimately destroying them (see Figure 1.).



Effective May 1st, 2019. Subject to change without notice.

### Protect Sensitive Assays and Cell Lines

The nUVaClean™ Pipette Carousel directs and concentrates 254nm UV radiation around the entire pipette shaft to eliminate surface contamination not sufficiently controlled by filter tips. nUVaClean is the only pipette stand to bathe the pipette shaft in microorganism killing, DNA-destroying UV-C. It provides 360° coverage, exposing the entire shaft to the lamp's effects

### Simple, One-Step Decontamination

To disinfect pipettes, simply place them in the nUVaClean Pipette Carousel and press the button to start the Auto-Decon cycle. The preset timer activates the lamp for 28 minutes, the length of time shown to reduce biological contaminants, including DNA, mycoplasma, bacteria, fungi and viruses, by up to 99%. There is no need to disassemble or recalibrate pipettes after cleaning and no waiting for them to cool before using.

### Fast and Economical

With no toxic decontamination or cleaning solutions to buy and virtually zero time spent on disassembling and soaking/wiping pipette parts, nUVaClean Pipette Carousel is truly economical. When you have finished using a pipette, just place it in the stand and press the button to activate the Auto-Decon cycle. The next time you reach for a pipette, it is already decontaminated and ready for the next experiment.

### Accepts All Pipette Brands

nUVaClean is a truly universal pipette organization stand. The six pipette holsters in the nUVaClean™ Pipette Carousel have been engineered to securely hold all brands of single channel pipettes. Just like traditional pipette carousels, the nUVaClean stand rotates freely for quick, easy access to all positions.

Whether your lab is focused on cell culture, microbiology, molecular studies or PCR, you use extra care to prevent DNA and microorganism contamination. But even though you use gloves, sterile plastics and take all the proper precautions, your pipettes are used over and over, often by multiple technicians, and can easily become carriers of stray DNA, mycoplasma or other contaminants. The nUVaClean Pipette Carousel from MTC Bio can help! This new pipette stand is the first of its kind, utilizing a germicidal UV lamp, which serves to disinfect and decontaminate your pipettes in a 28 minute cycle.

The enclosed housing of the nUVaClean Pipette Carousel rotates freely and contains a 360° reflective mirror with a central 254nm lamp that, when activated, expose the entire shaft of each pipette to UV radiation in order to eliminate microorganisms and stray DNA. **Tests show that up to 99% of nucleic acid and microbiological contaminants are inactivated or destroyed after a single Auto-Decon cycle.**

### Specifications

<b>Capacity:</b>	6 single-channel pipettes, universal holsters fit all brands
<b>Lamp:</b>	254nm, UV-C, non-ozone, 450 micro watts, 2000 hrs
<b>Cycle Time:</b>	Fixed, 28 minutes
<b>Housing:</b>	UV resistant polycarbonate
<b>Reflector:</b>	Mirrored, aluminum coated, polyester film
<b>Dimensions:</b>	17cm diameter, 33cm tall
<b>Electrical:</b>	100V to 240V, 50/60 Hz, 1A

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