

# **UVOCS T10x10/OES UV/Ozone Cleaner Standard Operating Procedure**



**NYU Tandon School of Engineering Nanofabrication Facility**

## **Standard Operating Procedure for the UVOCS UV/ozone cleaner**

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The UV ozone cleaner is not meant for the removal of gross contamination. As a means for sample prep, for optimal results, as a suggestion, samples could be pre-cleaned in acetone and IPA, followed by a DI water rinse. The best UV/ozone cleaning results are obtained by placing the samples as close as possible to the UV light source. The ozone cleaner is constructed in such a way that the top of the doorway is coplanar with the light source. If the sample to be cleaned barely clears the top of the doorway, it is automatically in the proper location. Typical UV/ozone cleaning times are approximately 1 minute.

**!!! Do not introduce samples with residues of acids, bases, or chlorinated or fluorinated solvents into the ozone cleaner as they can corrode the internal stainless steel parts and/or damage the parts being cleaned!!!**

If the timer is set to a non-zero value, the ozone cleaning starts as soon as the POWER button is depressed. The "UV ON" light indicator is lit. The "END SEQUENCE" indicator is lit after the cleaning is finished. If the door is opened, the timer is reset, and another cleaning starts as soon as you close the door.

1. If the ozone cleaner has not been used in the past 30 minutes, clean it first. Set the timer to "10.0" minutes and press the POWER button. The cleaning starts when the "UV ON" light indicator is lit. After the cleaning is finished, the "END SEQUENCE" indicator is lit.
2. Open the door and pull out the tray. Load your sample onto the appropriate support tray (two support trays with different heights are available). Set the timer. Close the door.
3. When the cleaning is finished, turn off the POWER. Open the door and unload the sample. Close the door.



Timer

UV On Indicator

End Sequence Indicator

Audible Alarm

Power