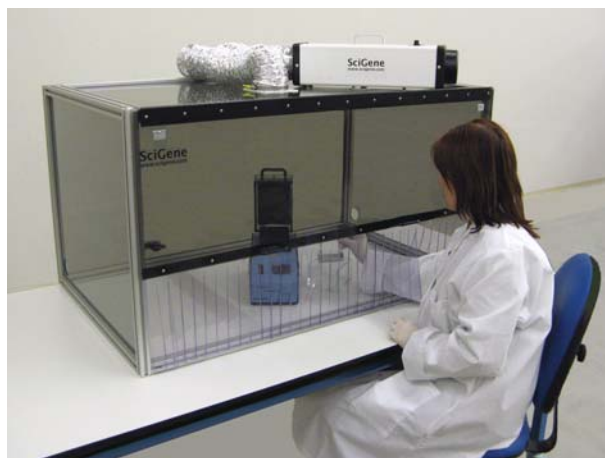


NoZone[®] WS Workspace

Maintains an Ozone-Safe Environment for Processing Microarrays

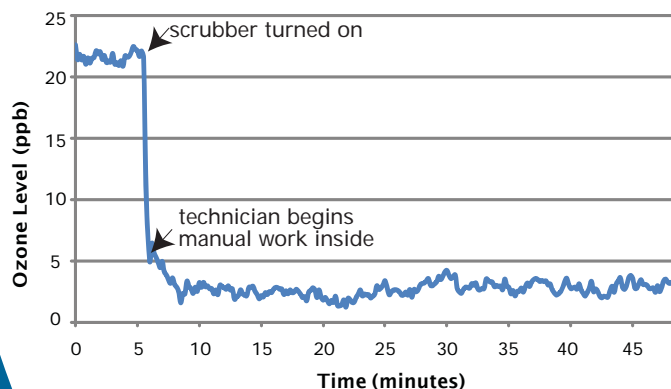


The NoZone WS Workspace maintains an ozone-safe, low light environment.

Maintains Ozone Levels Below 5 ppb

Daytime ozone levels found in many laboratories can destroy Cy5 and other fluorescent dyes used with microarray samples. Studies show that ozone levels as low as 20 ppb can negatively affect array data.⁽¹⁾ The NoZone[®] WS Workspace was developed to eliminate nagging concerns of ozone corrupted array data caused by degradation of dyes during array washing and drying.

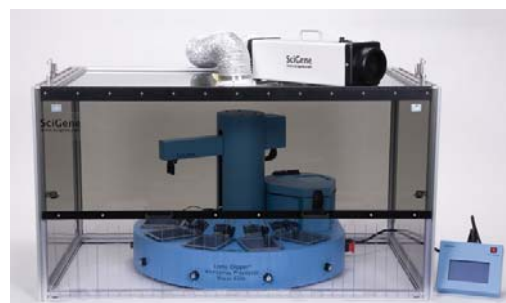
The NoZone WS Workspace consists of a benchtop polycarbonate enclosure with an external high efficiency ozone filtration system. The Workspace achieves and maintains ozone levels below 5 ppb within a few minutes after closing the door. Flexible ducting directs ozone-free air from the scrubber into the enclosure under positive pressure pushing the ozone containing air out through a side vent.



The NoZone WS Workspace maintains ozone levels below 5 ppb for either manual or automated processing of arrays.

Ozone-Safe Manual Processing of Microarrays

The NoZone WS Workspace provides an ozone-safe, low light work area for processing microarrays and operating small equipment. The bottom portion of the enclosure door has a curtain through which the operator can reach in and perform manual set up and washing of slides using the Hybex Microarray Incubation System (Cat. #1057-36-1) with waterbath insert (Cat.#1057-35-0). The NoZone WS Workspace also provides space for a small centrifuge or laser scanner such as the GenePix[®] 4000A/B.



The NoZone WS Workspace fits a Little Dipper Processor.

Ozone-Safe Automated Processing of Microarrays

The Little Dipper Processor is designed to operate inside the NoZone WS Workspace for automated post-hybridization washing and drying of microarrays. After adding buffers to the Little Dipper baths and loading the slide rack, the enclosure door is closed and the wash protocol started using an external touchscreen. Slides are efficiently and reproducibly washed and dried and remain protected from ozone and light inside the integrated centrifuge until ready for scanning.

(1) Effects of Atmospheric Ozone on Microarray Data Quality. Fare TL, et al. Analytical Chemistry 1;75:4672-5.

NoZone® WS Workspace

Maintains an Ozone-Safe Environment for Processing Microarrays

Assembles Easily as a Benchtop Unit

The NoZone WS Workspace is provided as a set of pre-assembled aluminum framed, gasketed polycarbonate panels that fasten together to form an enclosed work area. After assembly of the enclosure, a high efficiency ozone scrubber is connected to the top of the unit using flexible ducting. The front door panel features a hand accessible curtain for working inside the enclosure and can also swing up and out of the way to allow unimpeded access to the work area for moving and setting up equipment.



The hinged door swings up and out of the way for moving equipment.

Tested with EPA-Approved Ozone Analyzer

Each NoZone WS Workspace features a highly efficient ozone filtration system that is tested and certified at the factory to reliably maintain ozone levels below 5 ppb. Test results, using a highly sensitive and accurate ozone monitor, are included with the system.



The NoZone WS Workspace includes a highly efficient ozone filtration system.



A door curtain allows access for working with the Hybex® Microarray System or other equipment.



A quality control certificate is included with each NoZone WS Workstation.

Specifications

NoZone® WS Workspace

Electrical	
Cat.#	1090-13-1/2
	120/230V AC; 50/60Hz; 40W
Dimensions (HxWxD)	
Outside	29x48x29 inches (74x122x74 cm)
Inside	22x44x26 inches (56x112x66 cm)
Weight	
Net	59 lbs (27 kg)
Gross	71 lbs (32 kg), in shipping container
Flow Rate	25 to 30 cubic feet per minute

Ordering Information

Catalog No.	Description	UoM
1090-13-1	NoZone WS Workspace*, 120V.	EA
1090-13-2	NoZone WS Workspace*, 230V.	EA
	*Includes enclosure and scrubber listed below.	
1090-13-0	NoZone WS Enclosure.	EA
1090-20-1	NoZone Ozone Scrubber, 120V.	EA
1090-20-2	NoZone Ozone Scrubber, 230V.	EA

Related Products

NoZone® TL Workspace
NoZone® GP Workspace
Little Dipper® Processor
Hybex® Microarray Incubation System