

NoZone™ TL Workspace

Eliminates Ozone Damage to Arrays When Using the Agilent Scanner

Maintains Ozone Levels Below 5 ppb

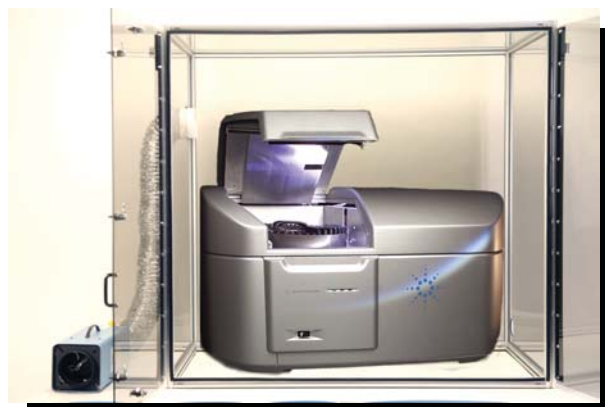
Daytime ozone levels in most laboratories can destroy Cy5 and other fluorescent dyes used with microarray samples. Studies show that ozone levels as low as 20 ppb can negatively effect array data (1). The NoZone TL Workspace was developed to eliminate corruption of array data caused by ozone during washing and scanning.

The Workspace consists of a benchtop acrylic enclosure with high efficiency ozone filtration system. The system achieves and maintains ozone levels below 5 ppb within a few minutes after closing the doors. The NoZone TL Workspace provides a clean, ozone-safe space for operating microarray processing and scanning equipment.

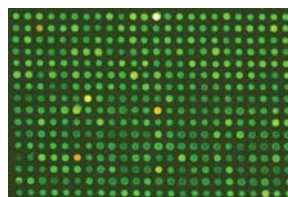
Designed to Fit Agilent and Other Array Scanners

Taller than its predecessor, the NoZone TL Workspace provides unimpeded access to the Agilent microarray scanner. It accommodates all other scanners as well as the Little Dipper Microarray Processor.

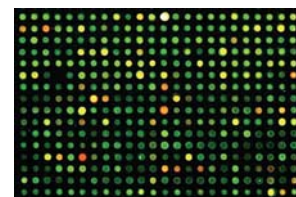
Easily assembled, the enclosure seals to the lab bench and has two hinged doors that swing to either side to allow full access to the internal work area. The NoZone Ozone Scrubber completes the system. It is an external ozone filtration system that connects to the side panel of the enclosure and pumps ozone-free air into the compartment.



The NoZone TL Workspace is a benchtop enclosure with ozone filtration system for Agilent and other microarray scanners as well as the Little Dipper Microarray Processor.



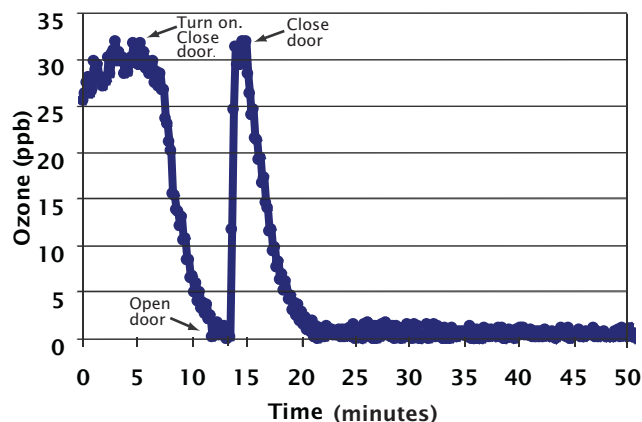
Weak Cy5 signals (red) on array processed in 30 ppb ozone.



Normal Cy5 signals on array processed in 2 ppb ozone.

Performance Certified with EPA Approved Monitor

Each NoZone TL Workspace is tested at the factory to meet specifications using a highly sensitive and accurate EPA approved ozone monitor. Test results are included with each system. Periodic testing of ozone levels within the enclosure is recommended. SciGene offers an EPA approved ozone monitor for short-term rental (Cat. #1090-40-1) for this purpose.



The NoZone Ozone Scrubber quickly reduces ozone levels to under 5 ppb inside the NoZone TL Enclosure.

Ordering Information

Catalog No.	Description	UoM
1090-11-1	NoZone TL Workspace*, 115V.	EA
1090-11-2	NoZone TL Workspace*, 220V. *Includes enclosure and scrubber listed below.	EA
1090-11-0	NoZone TL Enclosure.	EA
1090-20-1	NoZone Ozone Scrubber, 120V.	EA
1090-20-2	NoZone Ozone Scrubber, 220V.	EA
1090-40-1	Ozone Analyzer, 7 Day Rental.	EA

Specifications

Dimensions (HxWxD)	
Outside	41x46x29 inches (104x118x74 cm)
Inside	40x42x26 inches (102x107x66 cm)
Weight	
Net	79 lbs (36 kg)
Gross	95 lbs (43 kg), in shipping container

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