

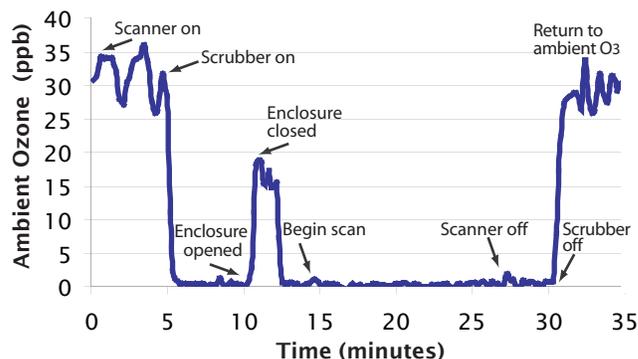
NoZone® GP Workspace

For GenePix® Scanners / Prevents Ozone Damage During Scanning

Maintains Low Ozone Levels During Scanning

Ozone levels as low as 20 ppb have been shown to degrade signals from Cy5 and other fluorescent dyes used with samples analyzed by microarrays (1,2). The NoZone GP Workspace eliminates ozone degradation of fluorescent signals that may distort microarray data during scanning of arrays using GenePix scanners (MDS Analytical Technologies).

The NoZone system features an external ozone scrubber that continuously pumps ozone-free air into a sealed acrylic enclosure surrounding the microarray scanner. The enclosure doors swing outward to allow unimpeded access to the scanner for loading and removing samples.



The NoZone GP Workspace quickly achieves and maintains ozone levels of under 5 ppb while scanning arrays on the GenePix Model 4200AL scanner.

Ordering Information

Catalog No.	Description	UoM
1090-12-1	NoZone GP Workspace*, 115V.	EA
1090-12-2	NoZone GP Workspace*, 220V. *For GenePix Scanners. Includes enclosure and ozone scrubber.	EA
1090-40-1	Ozone Analyzer, 7 Day Rental.	EA

Specifications

Dimensions (HxWxD)	
Outside	21x20x28 inches (53x51x71 cm)
Inside	20x18x26 inches (51x46x66 cm)
Weight	
Net	41 lbs (19 kg)
Gross	53 lbs (24 kg), in shipping container

- (1) Effects of Atmospheric Ozone on Microarray Data Quality. Fare TL, et al. Analytical Chemistry 1;75:4672-5.
- (2) Elimination of laboratory ozone leads to a dramatic improvement in the reproducibility of microarray gene expression measurements. Branham, WS, et al. BMC Biotechnology 2007, 7:8 doi:10.1186/1472-6750-7-8.



The NoZone GP Workspace is a benchtop enclosure with an ozone filtration system for ozone-safe scanning of arrays using GenePix scanners, including the Model 4200AL.

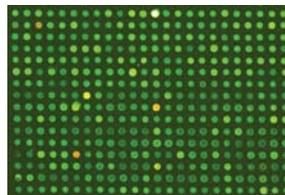
Recommended by Axon Instruments

The NoZoneGP Workspace was developed in cooperation with Axon Instruments (now part of MDS Analytical Technologies) the manufacturer of GenePix scanners. They recommend the NoZoneGP for use with all GenePix scanner models.

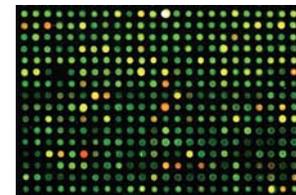
"We recommend this product to our customers who use GenePix scanners..." — Varshal Davé, Director of Marketing, MDS Analytical Technologies

Compatible with All GenePix Models

The NoZone GP enclosure is designed to fit all GenePix models including the Model 4000A and B scanners and newer 4200AL model with autoloading capability. The enclosure arrives fully assembled for easy installation. Just place it over the scanner, connect the ozone scrubber and turn on the power. Within a few minutes, ozone levels inside fall and remain under 5 ppb independent of external ozone levels. Loading and unloading samples from the scanner with the door open leads to a transient increase in internal ozone levels but safe levels return within a minute after closing the enclosure doors.



Low intensity Cy5 signals (red) from array processed in lab air with 30 ppb ozone.



Normal intensity Cy5 signals (red) from duplicate array processed in less than 5 ppb ozone.