

TECHNICAL INSERT

Item No	574	ChemDisk™ Monitor for	Prepared by	CG
Edition	MARCH 2025	Halogenated Anesthetic Gases	Approved by	MDR Peralta

The ChemDisk™ Personal Monitor is designed to measure exposure to chemicals in order to demonstrate workplace compliance with Permissible Exposure Limits (PELs) and Short Term Exposure Limits (STELs) defined by the Occupational Safety and Health Act of 1970 and Title 29 Code of Federal Regulations.

This **Technical Insert** contains product specific information on use and storage.

9159-574 03/25

Sampling Medium:	Activated Carbon, 150 mg, PTFE Binder
Analytes Sampled:	Desflurane, Halothane, Isoflurane, and Sevoflurane
Analytical Method:	Modified OSHA 103: Desorption in toluene; analysis by Gas Chromatography with Flame Ionization Detector (GC/FID)
Recommended Sampling Time:	PEL = 8 hours Functional range: 30 minutes - 8 hours
Recommended Holding Time:	Monitors must be received by lab within two (2) weeks after sampling.
Sample Capacity:	6 ppm for 8 hour sample (48 ppm-hrs or more)
Reporting Limit (RL):	Analyte dependent; See <i>AT Labs IH Sampling Guide</i>
Sampling Rate (SR):	Typically 7 - 9 mL/min; See <i>AT Labs IH Sampling Guide</i>
Interfering Substance(s):	Nitrous oxide does not interfere; isopropyl alcohol, ethyl alcohol, and ethyl ether do not interfere when GC resolution is adequate.
Effect of Temperature:	Effect on result ≤ 5% within 0 - 50°C (32 - 122°F).
Effect of Humidity:	Functions as claimed within 10 - 80% RH.
Accuracy (MTE):	Meets or exceeds NIOSH guidelines for accuracy: Maximum Total Error (MTE) ≤ 25%.
Storage Conditions:	Store at controlled room temperature. Do Not Use after expiration date printed on pouch.
IMPORTANT:	Warranty valid only if Instructions for Use have been followed.
WARNING:	Wash affected area thoroughly if sampling medium is contacted.

For detailed directions, see **Instructions for Use** included in each package of Monitors.

For information about each analyte which can be sampled, refer to *AT Labs Industrial Hygiene Sampling Guide* at

www.assaytech.com

Call TOLL FREE NUMBER 1-800-833-1258 or Email: custservice@assaytech.com