

## TECHNICAL INSERT

Item No	545	ChemDisk™ Monitor for	Prepared by	CG
Edition	MARCH 2025	Methanol	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.

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<b>Sampling Medium:</b>	G-BAC carbon
<b>Analyte Sampled:</b>	Methanol
<b>Analytical Method:</b>	Modified OSHA 5001: desorption in 70% DMF and 30% CS <sub>2</sub> ; analysis by Gas Chromatography with Flame Ionization Detector (GC/FID)
<b>Recommended Sampling Time:</b>	STEL=15 min; PEL=8 hours or full shift Functional range: 15 minutes – 12 hours
<b>Recommended Holding Time:</b>	Monitors must be received by lab <b>within 14 days after sampling.</b>
<b>Sample Capacity:</b>	≥ 2750 ppm for 8 hour sample (22,000 ppm-hrs)
<b>Reporting Limit (RL):</b> *AT Labs specific	1.1 ppm for 8 hour sample; 34 ppm for 15 minute sample (8.5 ppm-hrs)
<b>Sampling Rate (SR):</b>	0.0045 L/min
<b>Interfering Substance(s):</b>	None known
<b>Effect of Temperature:</b>	Effect on result ≤ 5% within 0 - 50°C (32 - 122°F).
<b>Effect of Humidity:</b>	Functions as claimed within 10 - 80% RH.
<b>Accuracy (MTE):</b>	Meets or exceeds OSHA requirements for accuracy : Maximum Total Error (MTE) ≤ 25% at PEL; ≤ 35% at STEL.
<b>Storage Conditions:</b>	Store at controlled room temperature. Do Not Use after expiration date printed on pouch.
<b>IMPORTANT:</b>	Warranty valid only if <b>Instructions for Use</b> have been followed.
<b>WARNING:</b>	Wash affected area thoroughly if sampling medium is contacted.

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

For detailed information about the ChemDisk™ Personal Monitor, refer to *AT Labs IH Sampling Guide* at [www.assaytech.com](http://www.assaytech.com)

**Call TOLL FREE NUMBER 1-800-833-1258 or Email: [custservice@assaytech.com](mailto:custservice@assaytech.com)**