

## TECHNICAL INSERT

Item No	543	ChemDisk™ Monitor for	Prepared by	SG
Edition	1/13/20	Acetic Acid	Approved by	SG

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>	Acetic Acid
<b>Analytical Method:</b>	Modified OSHA 186SG: desorption in 0.02N Sodium Hydroxide; analysis by ion chromatography (IC)
<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 two (2) weeks after sampling.</b>
<b>Sample Capacity:</b>	27 ppm for 8 hour sample (213 ppm-hrs)
<b>Reporting Limit (RL):</b>	0.23 ppm for 8 hour sample; 7.4 ppm for 15 minute sample
<b>Sampling Rate (SR):</b>	11.0 mL/min
<b>Interfering Substance(s):</b>	Propionic acid
<b>Effect of Temperature:</b>	Effect on result $\leq$ 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) $\leq$ 25% at PEL; $\leq$ 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 [www.assaytech.com](http://www.assaytech.com) or

call **TOLL FREE NUMBER 1-800-833-1258**