



# Personal Monitoring System

## ChemDisk™ Mercury Vapor Sampler

### INSTRUCTIONS FOR USE

#### DESCRIPTION

ChemDisk™ Personal Sampler is designed to measure exposure to chemicals to demonstrate compliance with Permissible Exposure Limits (PELs) and Short Term Exposure Limits (STELs) defined by the Occupational Safety and Health Act of 1970. After use the Sampler is returned to the Laboratory for analysis. The enclosed *Technical Insert* contains product specifications.

The ChemDisk™ Sampler Pack contains:

- *Samplers* (in pouches) & attachment Clips
- *Return Pouches* (empty foil pouch)
- *Instructions for Use* (this text)
- *Technical Insert* (colored sheet)

#### IMPORTANT

- Do not open foil pouch until ready for use.
- Before opening, read *Instructions for Use*.
- Do not use after Expiration Date.
- Record Monitor serial number printed on back of Monitor.

#### A. Identify Components and Assign Samplers

1. Assign a sampler for each person to be monitored.
2. Open foil pouch, remove sampler, and discard pouch.
3. Locate sampler serial ID number printed on back of sampler (2 letters followed by 4 numbers).
4. Enter sampler serial ID number and sample ID on Lab Request Form or other Chain-of-Custody document.
5. Begin Sampling as indicated below within one hour of opening the foil Pouch (see section B).

#### B. Begin Sampling

1. Attach clip to sampler.
2. Open flip-top sampler cap to reveal sampling holes.
3. Clip sampler to pocket or lapel of person monitored near to the breathing zone.
4. Record sampling date and start time on Chain-of-Custody document.
5. Refer to *Technical Insert* for recommended sampling time.



Monitor with Filter in place

### C. End Sampling

1. At the end of sampling, remove sampler from lapel or collar.
2. Before closing the flip-top sampler cap, **remove the filter and filter ring from the front of the Sampler.**
3. **Discard filter and filter ring**, then close the flip-top sampler cap securely.
4. Record stop time (and date, if applicable) on Chain-of-Custody Document.
5. Total sampling time (minutes) may be entered in place of start and stop times.



Monitor with  
Filter Removed



Monitor  
Closed

### D. Complete Chain-of-Custody Document provided by your Lab

1. Enter Sampler serial ID (printed on Sampler) on Chain-of-Custody document.
2. Enter **all required information** on Chain-of-Custody document.
3. Keep a copy of Chain-of-Custody Document for your records.

### E. Return Sampler to Analytical Laboratory

1. Place 1 sampler in return pouch and close securely.
2. Refer to *Technical Insert* for maximum Holding Time allowable between
3. sampling and lab analysis.
4. **For the most reliable sample handling and prompt turn-around, send via a**
5. **trackable express service (UPS, FedEx, etc.) rather than the U.S. Mail.**
6. For analysis, return Samplers to an AIHA-accredited Laboratory.

For **Technical Support**, call your AIHA-accredited Laboratory.

### WARRANTY

Products and services are subject to regular quality control programs and evaluation studies carried out under controlled conditions. While we pledge to work with each customer to establish field procedures which produce acceptable results, performance under all field conditions is not guaranteed. **As our sole warranty, we guarantee to repair or replace any product or repeat any service found defective prior to its expiration date or within one year of sale for non-dated items.**