

## **3M™ Organic Vapor Diffusion Monitor 3500/3510 & 3520/3530 – Preparation and Use**

Good industrial hygiene practice indicates that a blank monitor be included with each set of samples to check for any contamination of the samples. The blank should be opened when the sample is opened.

To prepare the 3520/3530 blank monitor use:

- a) Remove the monitor from the can.
- b) Remove the plastic ring and white screen from the top section of the blank monitor.
- c) Snap the elution cap (with plugs) onto the top of the primary body.
- d) Separate the primary body and secondary body sections.
- e) Snap the bottom cup (no plugs) into the bottom of the primary section.
- f) Snap the elution cap (with plugs) onto the secondary body.
- g) Write the word “Blank” on the bottom of the secondary body.
- h) Note that the primary and secondary sections should have the same identification numbers.
- i) Return the blank monitor into the can and close the can with the plastic lid provided.

To prepare the 3500/3510 blank monitor for use:

- a) Enter the word “blank” on the monitor.
- b) Remove the plastic ring and white film from the monitor.
- c) Immediately snap the elution cap (with plugs) onto the main monitor body. Be sure the two port plugs are secured.
- d) Return the blank monitor into the can and close the can with the plastic lid provided.

To prepare the monitor for use:

- a) Record the following information in on the form enclosed with the monitor:
  - a. Monitor serial number
  - b. Sampling date
  - c. Employee ID or area
  - d. Temperature and relative humidity
  - e. Compounds to be analyzed (for the 3510/3530, up to 3 compounds can be analyzed per monitor, see the list of compounds included in the user instructions).
- b) Record the date, employee ID or area and sampling start time on the monitor label.
- c) DO NOT remove the white film and plastic ring.

The diffusion monitor may be used as a personal monitor or area monitor. As a personal monitor, it should be worn near the worker’s breathing zone. For example, it is often attached to the front of the shirt collar. When used as an area monitor, hang it away from

walls, corners, table tops or other regions where air movement in the room may be limited.

Sampling times will vary according to contaminant concentrations and environmental conditions, such as humidity. Check your user instructions for a detailed list of compounds and their monitoring times. For more information, please call our Fax On Demand Service at 1-800-646-1655 and request document #1028, ***Organic Vapor Sampling and Analysis Guide***. (*Internal: fax on demand documents are also available on CLIF.*)

The Sampling and Analysis Guide can also be used to check to see if different organic vapors can be sampled on the same monitor. Most organic vapors can be desorbed using carbon disulfide, but some may need to be desorbed using a different solvent. Therefore, these organic vapors will need to be sampled using a separate monitor.