

## Sampling Instructions

### Rapid Air Monitor

#### RAM storage:

1. New samplers should be stored in a polyethylene bag or similar and kept in a refrigerator. One sampler should be used as a blank – the cap should NOT be removed and it should be left in the refrigerator during the sampling period.
2. Exposed samplers should be stored under the same conditions as 1. The samplers should be returned for laboratory analysis within 2-3 weeks of completion of sampling.

**Sampling sites:** The RAM should not be placed in any form of recess (to avoid the possibility of sampling stagnant air). To avoid sampling in an area of higher than usual turbulence, RAMs should not be located on the corner of a building.

#### External Ambient Air Sampling (e.g. Roadside):

1. Apply a sample identifier in the oblong space at the back of the sampler.
2. Fix shelter on to a suitable post using cable ties (Figure 1a). If a shelter is not being used, fix the sampler on location using adhesive and/or cable "zip" ties (Figure 1b).
3. Fix sampler into shelter using pre-positioned Velcro , double-sided adhesive tape (3M) or Blu-tack.

4. Remove cap from sampler and store in a safe place.



5. Expose sampler for required period (i.e. 1 hour to 168 hours), depending on the environment being sampled.
6. At the end of the exposure period, replace cap, remove sampler from shelter. Label the sampler with the barcode label provided, and affix the corresponding number label to the exposure sheet. (Figure 2.).

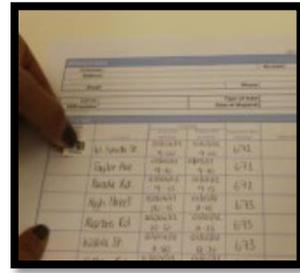
1a.



1b.



2.



**Indoor Air Sampling:**

1. Apply sample identifier in oblong space at the back of sampler.
2. Apply double-sided adhesive tape or Blu-tack® to back of sampler.
3. Fix sampler to vertical surface.
4. Remove cap from sampler and store in a safe place.
5. Expose sampler for required period (i.e. 8 hours to 72 hours) depending on environment being sampled.
6. At the end of the exposure period, replace cap. Label the sampler with the barcode label provided, and affix the corresponding number label to the exposure sheet.

**Personal Sampling:**

1. Apply sample identifier in oblong space at back of the sampler.
2. Using the attached slot tab, fit pocket strap on to sampler.
3. Fit sampler to coat lapel or pocket.
4. Expose sampler for required period (i.e. 1 hour to 8 hours) depending on environment being sampled.
5. At the end of the exposure period, replace cap. Label the sampler with the barcode label provided, and affix the corresponding number label to the exposure sheet.

**Returning monitors:** RAMs should be returned as soon as possible after exposure and must be returned within 3 weeks. Fill in exposure data record sheet including exposure time. If the average temperature is not provided, the results will be corrected to 20°C. RAMs should be returned in a sealed container, such as the plastic bag that they are received in.

**Return for analysis:**

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**1740 Convair St**  
**Palm Bay, FL 32909**  
**Tel: +1 (321) 676 7003**  
**Email: [diffusion@ormenviro.com](mailto:diffusion@ormenviro.com)**