

Deployment of Tekran MerPAS Sampler for Indoor Air or Personal Monitoring 8-Hour Sample: LOD = 0.010 ug/m³, no upper limit

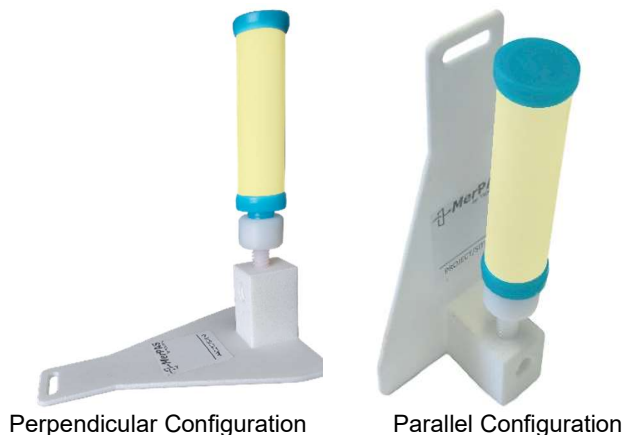
The MerPAS sampler will be shipped in a protective vessel. In order to deploy the passive air sampler in an indoor environment or personal monitoring, follow these general guidelines:

1. For fixed sampler area monitoring, choose appropriate sampling location. The area should have free air flow (not in corner), and be away from any HVAC vents or air returns. For personal sampling the MerPAS device may be attached to a lapel or upper shirt pocket of worker.
2. To unpack, wear clean gloves to protect the sampler from incidental contamination. If unclean surfaces are touched while gloves are on hands, use a new pair of gloves before touching the MerPAS sampler. Avoid touching the yellow area.

3. Remove MerPAS sampler from protective case. Record the Date/Time that the case was opened on the Chain of Custody (COC) form. This is the official start of sampling. Also record the Site ID/ Sample location and fill out the other relevant sections of the COC. If vinyl tape is not available, save the tape for resealing the sampler at the end of the sample collection period.



4. Attach MerPAS sampler to the mounting stand and mark the stand with site ID if needed. If placing flat on a shelf, connect sampler to the stand in the perpendicular orientation. If hanging the sampler on a wall or using for personal sampling, connect sampler to the stand in the parallel orientation. For personal sampling, the device should be worn close to the breathing zone of the worker. Clipping to a shirt lapel or pocket is acceptable provided the device does not hinder work operations.



5. If collecting Field Blanks, prepare just like a typical sample including attaching the MerPAS sampler to a stand. The field blank is immediately collected and placed back in the protective case, with tape around cap as shown in the figure above. Record relevant information on the COC. Store the field blank in a secure, low-Hg environment until the remaining samples have been collected.
6. After the designated sampling period, wear a new pair of clean gloves, remove MerPAS device from mount, and place sampler back in protective case. **Important:** seal the ends of the protective case with vinyl tape to help prevent incidental contamination during storage and shipping. Record the Date/Time the sampler was collected on the COC form and any observations or anomalies worth noting. This is the official end time of sampling period. Send sample and COC to laboratory for analysis.