Micro5



Sampling Procedures:

Before starting any sampling procedure establish a sampling strategy for the environment being studied. The Micro5 sampling cassette was designed to operate at a flow rate of 5 LPM for durations ranging from 1 to 10 minutes. (See Sampling Intervals on back).

1. Remove the **Bottom Outlet Pin** from the Micro5 and save.
2. **If using a conventional high volume pump:**
   Connect one end of tubing (5 ft or less) to the bottom outlet of the Micro5.
   No adapters are necessary.

   OR if using a low volume pump:
   Attach the cassette directly to the pump using a 1" piece of tubing connected to the bottom outlet of the Micro5.
   No adapters are necessary.
3. Place the Micro5 cassette in the designated sampling area. Remove the **Top Inlet Cap** and save.
4. Turn on your calibrated vacuum source and conduct the sampling strategy according to the environment being studied. (See "Sampling Intervals")
5. When sampling is completed, replace the **Top Inlet Cap & Bottom Outlet Pin.**
6. Record field notes in the blank area of the banding label.
7. Store appropriately and send the sample to an accredited laboratory for analysis.

For further information please visit our website, www.emssales.net, or call 800.293.3003 for assistance.
Manufactured to comply with ASTM Standards.

ems

Utilizing a 360-degree impaction chamber, the Micro5 was pioneered to evenly & quantitatively collect aeroallergens, such as pollen, mold & fungal spores, fibers, dander, insect components and other airborne contaminants. The Micro5 MicroCell is designed to operate at a flow rate of 5 LPM to ensure optimal collection efficiency.

Laboratory Benefits

Ease & Speed of Reading- the ~2.3mm diameter sample trace contains ~25 fields for 100% analysis at 400X or 150 fields for 100% analysis at 1000X. As low as 15% analysis, correlates well with 100% analysis.

Tracking- Barcoded serial numbers allow for automated input of sample numbers into lab software (LIMS) and chain-of-custody forms.

Uniform Trace- Deposition of particles/spores onto the adhesive is uniform in all directions due to the design of the spore trap.

Please scan our QR code for more information or call **800.293.3003** for assistance.

Inner Wall Sampling

An optional wall sampling adapter can be obtained for the Micro5 sampling cassette. This adapter will allow the identification of inner wall contamination.

1. Make a 1/4" diameter hole through the wall in the area of interest.
2. Place the wall adapter over the top of the Micro5 cassette. Push firmly so that a good seal is obtained.
3. Insert the wall adapter tube into the hole using the o'ring as a seal.
4. Follow the Sampling Intervals below.

Sampling Intervals

Environmental Conditions / Flow Rate 5 LPM

Outdoor/Indoor Clean Environment: 8-10 Minutes
Indoor (Normal Activity): 5 Minutes
Indoor (Heavy Particulates): 1-3 Minutes
Inner wall sampling: 1-5 Minutes

Temperature and Storage Conditions:

- **Storage:** 50-80 degrees Fahrenheit
- DO NOT USE IN TEMPERATURES BELOW 32 DEGREES FAHRENHEIT!