

Allergenco-D

Sampling Procedures:



Before starting any sampling procedure establish a sampling strategy for the environment being studied. The Allergenco-D sampling cassette was designed to operate at a flow rate of 15 LPM for durations ranging from 1 to 20 minutes. (See Sampling Intervals on back).

1. Remove the **Bottom Outlet Cap** from the Allergenco-D and save.
2. **If using a conventional high volume pump:**
Connect one end of tubing (5ft or less) to the bottom outlet of the Allergenco-D. No adapters are necessary.
If using a BioAire or similar pump:
Attach the Allergenco-D directly to the pump inlet.
3. Place the Allergenco-D 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 & Bottom Outlet Caps**.
6. Push the "**Sample Complete Button**" located on the top inlet cap.
7. Record field notes in the blank area of the banding label.
8. 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.



Allergenco-D

The Allergenco-D sampling cassette was developed for the sampling and collection of aeroallergens and bioaerosols for quantitative analysis of mold spores, pollen, skin fragments, insects, combustion dusts, and other airborne particulates. The Allergenco-D employs a patented laminar flow venturi, which provides higher readable collection efficiency, as well as a more well defined impaction trace.

Calibration

The Allergenco-D is designed to operate at a standard flow rate of 15 LPM. Higher or lower flow rates are possible, but may require adjustment to the sampling duration to prevent over and under loading. Pump calibration should be conducted prior to the start of sampling protocol. A variety of devices/adapters are available to help simplify the calibration process.

Pump Connection

The Allergenco-D was designed to be compatible with traditional vacuum pumps, as well as most portable units. The Allergenco-D has been designed with a universal vacuum connection. The feature allows the connection to a vacuum source with either a 1/2" to 1/4" converter or directly to a 1/4" I.D. tubing.

Inner Wall Sampling

An optional wall sampling adapter can be obtained for the Allergenco-D 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 Allergenco-D 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 15 LPM

Outdoor sample: 1-10 minutes

Dust free environment (clean office): 5-8 minutes

Indoor environment (occupied space): 3-5 minutes

Indoor environment (excessive dust): 1-3 minutes

Inner wall sampling: 1-5 minutes

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

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

