

# Allergenco-D Posi-TRACK

## Sampling Procedures:



Before starting any sampling procedures establish a sampling strategy for the environment being studied. The Allergenco-D Positrack 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 Positrack 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 Positrack. No adapters are necessary.  
**If using a BioAire or similar pump:**  
Attach the Allergenco-D Positrack directly to the pump inlet.
3. Place the Allergenco-D Posi-Track cassette in the area of interest. Remove the **Top Inlet Cap** and save.
4. Turn on your calibrated vacuum source and conduct the sampling strategy according to the environment 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.



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

**Manufactured to comply with ASTM Standards.**

# Allergenco-D

The Allergenco-D Positrack Full Slide, Indoor Air Quality Impactor Cassette collects mold spores, pollen, skin cells, dust, combustion particles, etc. on a standard 1" X 3" microscope slide printed with a unique barcoded serial number (POSI-TRACK). The unique barcode is printed on the completed sample slide, which insures reliable tracking throughout the sample collection, laboratory analysis and reporting process. The rear label has an expanded area for recording sample notes and field information.

## Calibration

The Allergenco-D Positrack is designed to operate at a standard flow rate of 15 LPM. 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. For traditional high volume vacuum pumps, connect the vacuum source to a calibrated rotameter. Connect the rotameter to the bottom of the Allergenco-D Positrack cassette. Turn the vacuum source on and adjust the flow valve on the pump to achieve required flow rate.

## Pump Connection

The Allergenco-D Positrack was designed to be compatible with traditional vacuum pumps, as well as most portable units. The Allergenco-D Positrack 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 Positrack 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 Positrack 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): 1-3 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!

## 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.