

How do I collect dust samples with the vacuum system?

By purchasing the analysis service by Lis Biotech you have received a dust collection kit that contains: **1 pair of gloves, 1 cassette (sampler device), 1 return envelope, and a Chain of Custody (CoC) form.**

PLEASE FOLLOW THE NEXT STEPS:



Select the sampling area in a room with carpet: **2-meter square, around 22 square feet**, mark it with tape. Put the gloves on both hands



The Cassette has two caps: one located on the top (A) and other on the bottom (B). Remove both caps and keep them aside. A filter must be inside of the cassette, make sure it is in there.

Insert the hose attachment of the vacuum into the wider end of the device (B).

Now it is time to collect sample from the marked sampling area. Once you start vacuuming don't forget to start timing.

1. Using the end of the nozzle (A) start the vacuum process placing the device on one corner of the sampling surface.
2. Slightly tilt the sampler to one side to allow a slight gap between the sampling surface and the sampler. A sampler that remains flush with the sampling surface will decrease vacuum efficiency by restricting airflow and will prevent sample uptake.
3. Slowly sweep the sampling area from one end to the other using overlapping passes, adjusting the rate until the entire 2 m² is covered over the course of the 5 minute sampling period.
4. Turn off the vacuum. To prevent loss of material, tilt the sample device upward before turning off the vacuum.
5. Remove the sampler device from the hose and visually inspect it to verify it contains enough sample. The sampler should include visible dust which is around 30 – 100 mg of powder. If more dust is needed, repeat steps 1 - 5

Replace the caps onto the sampler device and place it directly into the plastic bag provided, and zip closed. **Write the sample location on the bag label.** Dispose of the gloves. Do not tap the sample device as the micro-fine dust is needed for analysis.



Complete the Chain of Custody (CoC) form (**Blue sections are for INTERNAL USE ONLY**), including the sample location for each sample.



Using the new envelope provided in your kit place: a) the sealed plastic bag that contains the vacuum device and b) the Chain of Custody (COC) form completed. The envelope has a prepaid postage to return it to Lis Biotech in 3-4 business days, just use any USPS mailbox or office to send it back.



Lis Biotech will take care of your sample and dependent of the Sample Processing Time selected by you, the results will be sent to the email provided in the COC form.

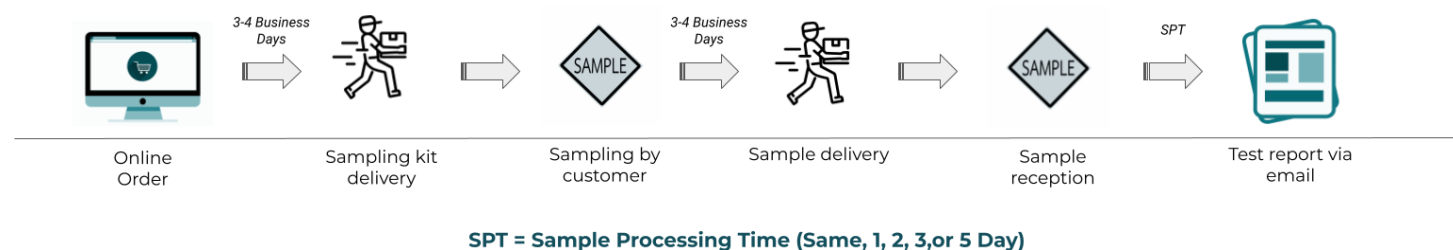
Details on the back

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The test will be performed with the dust extracted from the cassette, so make sure to select an area with the most dust possible. Not enough dust can drive non-accurate results.

Calcium contained in the drywall can interfere with the reaction to detect the molds, causing inhibition of that reaction and driving to non accurate results. If you suspect your sample contains drywall residues let us know.

DO NOT place the COC form inside the plastic bag with the sample.



The Sample Processing Time depends on the purchase made.

If you prefer to use another mail service to send your sample to our lab, please mail it to:
Lis Biotech LLC, 4242 Medical Drive, Building 7, Suite 7325, San Antonio, Texas 78229.