

VIABLE (CULTURABLE) SAMPLES^A (INCLUDES FUNGI AND BACTERIA)

| SAMPLE TYPE | | FIELD EQUIPMENT | SUGGESTED SAMPLING | MEDIA | UNITS |
|------------------------------|--------------|--|--|---|------------------------------|
| Air Sample | Air | *Andersen or Aerotech single or multistage sampler *Calibrated high-volume pump *Agar plates | 2 - 5 minutes @ 28.3 lpm | MEA, CMA, DG18, CEL (fungi) TSA, NA, MCTA (bacteria) | cfu/m ³ |
| | Wall Cavity | *Wall-check™ kit | 1 - 2 minutes @ 10 lpm | MCE or PVC cassette | cfu/m ³ |
| Bulk Sample | Bulk | *Bulk sampling kit | Collect ~ 2 sq. in. | Sterile Container | cfu/g |
| | Swab | *Sterile swab kit | Wipe (1 - 4) square in. | Culturette II | cfu/in ² |
| | Dust/Surface | *Micro-vacuum kit | Vacuum all surface dust Vacuum known area | MCE or PVC cassette | cfu/g cfu/in ² |
| Water Sample (bacteria only) | | *Sterile container | Collect 500 ml of water Transport to lab w/in 24 hrs. | Sterile container | ml |

^A Culturable samples are incubated for 7 - 14 days to allow fungi/bacteria growth needed for species identification and sample quantification.

^B ACGIH recommends a 3-plate sampling plan (e.g. MEA, CMA, DG18) for every sample, but does not specify media. Contact us for additional help in selecting appropriate media.

NON-VIABLE (NON-CULTURABLE) SAMPLES^C (INCLUDES FUNGI ONLY)

| SAMPLE TYPE | | FIELD EQUIPMENT | SUGGESTED SAMPLING | MEDIA | UNITS |
|-------------|-------------|--|------------------------------------|-------------------------------|-------------------------|
| Air Sample | Air | *Calibrated high-volume pump & Zefon Cassette *Burkhardt or Allergenco samplers | 10 minutes @ 15 lpm Varies | Air-O-Cell™ Greased slides | Spores/m ³ |
| | Wall Cavity | *Wall-check™ kit *Calibrated high-volume pump | 30 seconds – 2 minutes @ 15 lpm | Air-O-Cell™ | Spores/m ³ |
| Bulk Sample | Bulk | *Sealed container | Collect 2 sq. in. | N/A | T, M, M, A ^D |
| | Bulk/Dust | *Tape lift kit | 1-2 cm ² | Tape lift slide | T, M, M, A ^D |

^C Direct examination of a sample can provide faster results, but does not provide species and certain genus identification, or quantification for bulk samples.

^D Trace, Minor, Major, Abundant

*These are suggested techniques based on generally accepted industry practices. Currently, there are no published regulatory methods relating to sampling or analysis. Each investigation may require a combination of these, or other available techniques based on site conditions being evaluated.

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