

## COVID Sampling Capabilities

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### Hourly and/or Multiday Low Flow Air Sampling

AirPhoton AeroExplorer  
Filter Based Sampler



Filter  
Cartridge

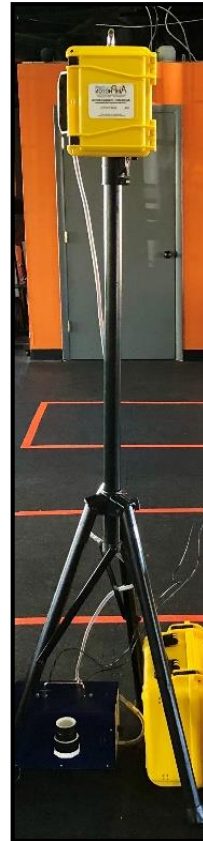
Multiple Sampling  
Up to 8-time  
periods or days

Useful in a setting  
with shift workers  
or for remote  
sampling over  
multiple days.

Aerosol samples are collected onto  
gelatin or teflon filters

### High-Flow Rate Air Sampling

AirPhoton BioSampler



A 12.5 L/min sonic-flow deposits the  
sample aerosols into a 'swirling vortex'  
proprietary capture liquid.

### Low -Flow Rate Air Sampling

Thermo pDAR-1500 personal exposure  
monitor and ADR-1500 area sampler



pDR-1500 Personal  
Exposure Monitor



ADR-1500  
Area Sampler

Thermo's pDR-1500 and ADR-1500 aerosol particulate matter (PM) samplers are the perfect solution to screen for airborne Covid19 in your assisted living or nursing home, indeed, any indoor space, e.g. gyms, factories, transit etc. They feature the ability to sample different respirable size fractions of PM, as well as containing an integrated sample filter to capture airborne Covid-19. The real-time PM data can be used to assess the efficiency of HVAC filters at removing aerosols from your indoor space.

Aerosol samples from all three sampling systems are analyzed for Covid-19 by PCR at a FDA approved laboratory (TAT between 24-48 hrs)

If Covid-19 is detected in an air sample contract tracing can be initiated to identify the source of infection and limit its spread

All three instruments can be used to sample for all respiratory pathogens, e.g. SARS, flu strains, bacteria mold and yeast.  
The samplers can also collect aerosolized wound infectious agents, e.g. MRSA