

# AerosolSense Sampler

## In-air pathogen surveillance solution

Fast and highly reliable insight into the safety of indoor air

The Thermo Scientific™ AerosolSense™ Sampler paired with PCR testing, a new pathogen surveillance solution, is designed to deliver timely and highly reliable insight into in-air pathogen presence for monitoring and improving facility safety protocols. Confidently help protect employees and communities while maintaining business and operational continuity.



### Features

- Validated for Flu A/B, SARS-CoV-2 and/or RSV-B, the design is intended to capture a wide variety of in-air pathogens.
- Small, portable, easy to use design
- Highly sensitive aerosol collection and separation technology
- Continuous sampling

### The technology

The sampler collects air samples through an omnidirectional inlet. A sample cartridge installed into the sampler contains the collection substrate. The air sample is directed toward the collection substrate through an accelerating slit impactor. Particles are trapped on the collection substrate as the air is drawn through the sampler.

### A simple workflow

Identify risks to help protect your organization and communities in three steps.

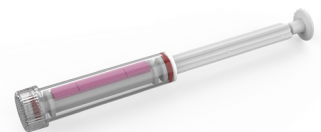
- **Collect sample:** Position the sampler on a flat, unobstructed surface and insert sample cartridge.
- **Remove and replace sample cartridge:** After sampling cycle remove sample cartridge and place in biohazard bag to send to lab.
- **Send sample cartridge to lab for testing:** Verified kits available for testing:
  - Applied Biosystems™ TaqPath™ COVID-19 Combo Kit
  - Applied Biosystems™ TaqMan™ SARS-CoV-2, FluA, FluB RT-PCR Assay Kit (RUO)

- Applied Biosystems™ TaqMan™ SARS-CoV-2, Flu A/B, RSV RT-PCR Assay Kit (RUO)

**On-site lab:** ≤ 4h result availability

**Thermo Fisher Scientific testing services:** ≤ 24h result availability

\* Please advise your on-site lab or third-party lab to follow the AerosolSense sample preparation procedure in order to support testing protocol. To download the procedure, visit [www.thermofisher.com/apssupport](http://www.thermofisher.com/apssupport).



Thermo Scientific™ AerosolSense™ Sample Cartridge

## AerosolSense Sampler

Specifications	
Dimensions	14.5" (H) x 14" (W) x 13" (L)
Weight	26 lbs
Sample collection holder and media	Single-use sampling cartridge containing (2) 1 inch collection substrates
Safety and electrical designations	TUV-SUD, CE, UKCA, ROHS
Sample flow control	200 L per minute
Operating temperature	5 °C - 45 °C
Status indicator	3 color LED
Power consumption	100-240 VAC 50-60 Hz 125Watts
Dust interference (PM1-PM2.5-PM10)	Minimal impact (80 - 1050 ug/m <sup>3</sup> )
Humidity interference	Minimal impact (over 10% - 90% RH)

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