

Air Monitors launches new bioaerosol sampler

Written by Darren

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Amidst growing concerns with the health effects of airborne particles, Air Monitors, a specialist instrumentation company, is launching a new portable air sampler which significantly enhances the ability to measure and control biological contamination.

The 'Coriolis μ ' has a new wet-walled cyclone technology that improves bioaerosol sampling for bacteria, pollen, endotoxins, viruses and fungal spores. Traditional techniques rely on the impact of biological particles on a solid growth medium, but the Coriolis μ collects the particles in a liquid at a high flow rate (300 l/m) with validated efficiency. The liquid containing the particles is compatible with a number of the latest rapid microbiological analysis methods.



The Coriolis μ offers advantages for sampling air with a high bioaerosol burden (which would saturate traditional solid media) because the liquid can be divided into multiple agar plates. This technology is also ideal for air with a low burden, because the Coriolis μ can collect for an extended period.

Air Monitors, Managing Director Jim Mills says "This is an exciting development and I think that as scientific knowledge in this area grows, it will become a standard method very quickly. In the meantime, I can see a wide variety of research and air quality investigation applications that would greatly benefit from this technology."