



Coriolis® RECON

Portable Air Sampler for Airborne Pathogens Detection

- High air flow rate for collection of all pathogens > 0.5 μm
- Liquid sample, compatible with any type of analysis
- Ruggedized equipment for harsh environmental conditions
- Portable, easy-to-deploy and to set-up

www.coriolis-air sampler.com



Coriolis® RECON – a ruggedized bio-aerosol sampler

Coriolis® RECON is a ruggedized bio-aerosol sampler, dedicated to CBRN Recon teams or first responders, with quick deployment in case of bio-threat suspicion. **Coriolis® RECON** is efficient, portable and has been ruggedized for unfamiliar environment. **Coriolis® RECON** offers flexibility with a choice of 2 operating modes:

- Autonomous sampling: triggered by the operator wearing IPE; it can be used by Recon teams or first responders or for mobile applications to rapidly obtain a sample and identify the biological threat.
- Biological sentry mode: for a long time surveillance of critical areas, **Coriolis® RECON** can be set up in a standby mode, waiting for an order of a warning system.

Wet cyclone - a patented technology



Collection liquid is injected into the cone while aspirating



Air is drawn in a whirling motion to form a vortex



Particles are pulled against the wall due to centrifugal force, separated from air and concentrated into the liquid



Sample is ready for analysis

Air
Liquid
Particles

Long time collection option

Also discover the option designed for 2 hours sampling process : easily adapted on the **Coriolis® Recon**, this option is ideal for the monitoring of a special area for a long period.

An injection pump allows to compensate the evaporation of the liquid and thus the volume of liquid inside the cone is always optimal for an efficient sampling.



Technical Features

Specifications	Coriolis® RECON
Application	Surveillance of critical areas
Principle	Wet cyclone
Collected particles size	> 0.5 µm
Air flow rate	600 L/min
Collection time	5, 10, 15 min - 2 hours with option
Watertight	Yes – IP54
Dimensions (L x l x h)	365 x 220 x 306 mm (without cane)
Weight	10 kg (20 kg with case)
Autonomy	1h (collection time)
Main supply	100 – 240 V
Operating temperature	+5°C to +49°C (+41°F to +120°F) 0°C to +50°C with the "winter pack" option

Ask for a quote and demonstration

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