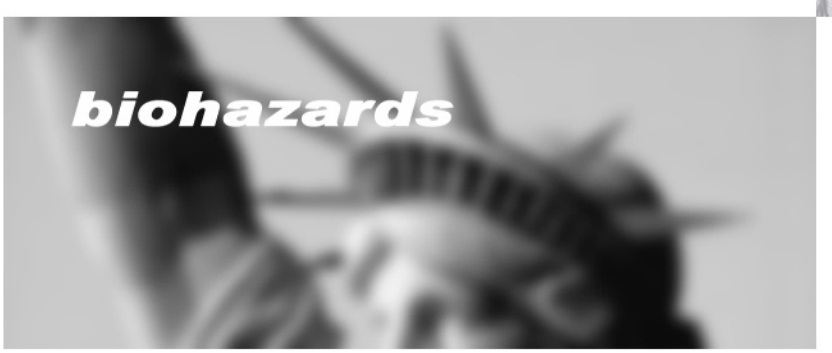
ADVANCED TECHNOLOGY FOR A SAFER WORLD

Coriolis® RECON

Microbial Air Sampler



Portable air sampler for biological warfare agents detection

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 operating modes:

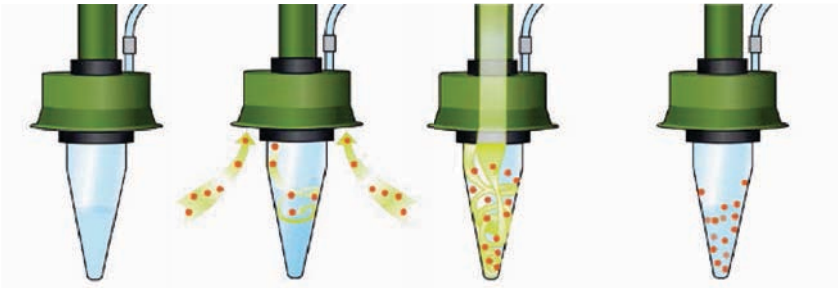
- Autonomous sampling: triggered by the operator wearing IPE; Coriolis® RECON can be used by Recon teams or first responders or for mobile applications to rapidly obtain a sample and identify the biological threat.
- Biological sentry mode: Coriolis® RECON can be set up in a standby mode, waiting for an order of a warning system.
- Long time surveillance: Coriolis® RECON can sample air during up to 6 hours (Long Time Monitoring option).

Long Time Monitoring Option is available for the Coriolis® RECON. This option is ideal for the monitoring of a special area like Remote Base Surveillance. This option adjusts automatically the volume of collection liquid for long sampling during up to 6 hours. The volume of liquid inside the cone is always optimal for an efficient sampling.

FEATURES

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 - 6 hours with option
WATERTIGHT	Yes – IP54
LIQUID SAMPLE	20 ± 5 ml
DIMENSIONS	365L x 220W x 306H 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 + 49 ° C with the winter pack option

Wet Cyclone - a patented technology



Collection liquid is injected into the cone while aspirating.

Air is drawn in, thanks to a whirling motion to form a vortex.

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

AIR LIQUID PARTICLES

LAURUS SYSTEMS

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