



coriolis
Microbial Air Sampler



Coriolis® RECON



Portable air sampler for biological warfare agents 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



Coriolis® RECON

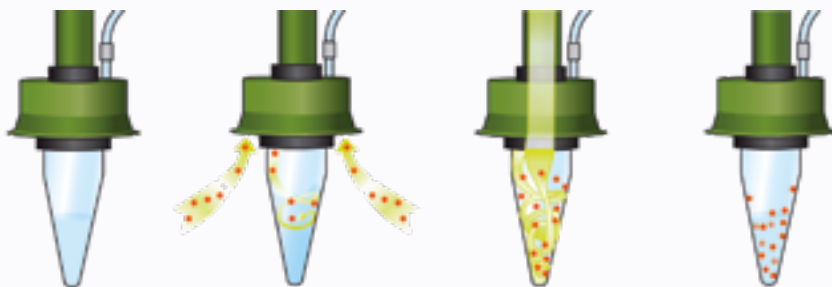
A ruggedized bio-aerosol sampler

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 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.

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.

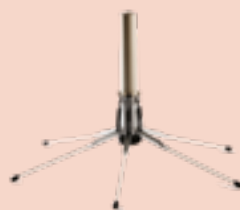
 AIR  LIQUIDE  PARTICLES

CBRN Products Range

Discover the other products of Bertin Instruments



Second Sight® MS
Chemical threat detection



GammaTRACER Spider
Quick deployment probe



Technical 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 (L X W 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 + 49° C with the winter pack option