



**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  $\mu\text{m}$
- Liquid sample, compatible with any type of analysis
- Ruggedized equipment for harsh environmental conditions
- Portable, easy-to-deploy and to set-up



# Coriolis® RECON

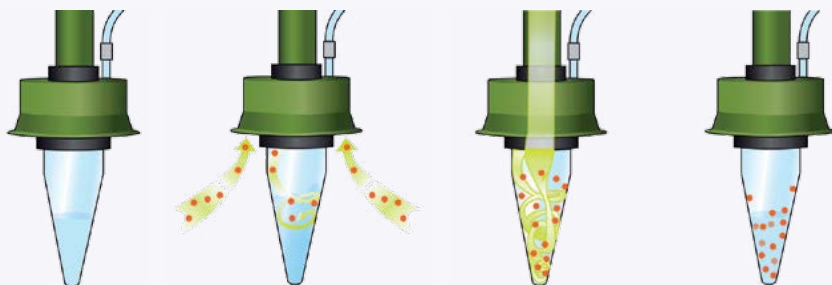
## A ruggedized bio-aerosol sampler

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.

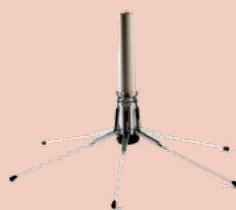
■ AIR   ■ LIQUIDE   ■ PARTICLES

## 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