

CORIOLIS® RECON

PORTABLE AIR SAMPLER
FOR AIRBORNE PATHOGENS DETECTION



coriolis
Microbial Air Sampler

- ▶ 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

Collection of airborne biological agents, virus, bacteria, toxins and spores.

Validated collection efficiency by third party testing.



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:

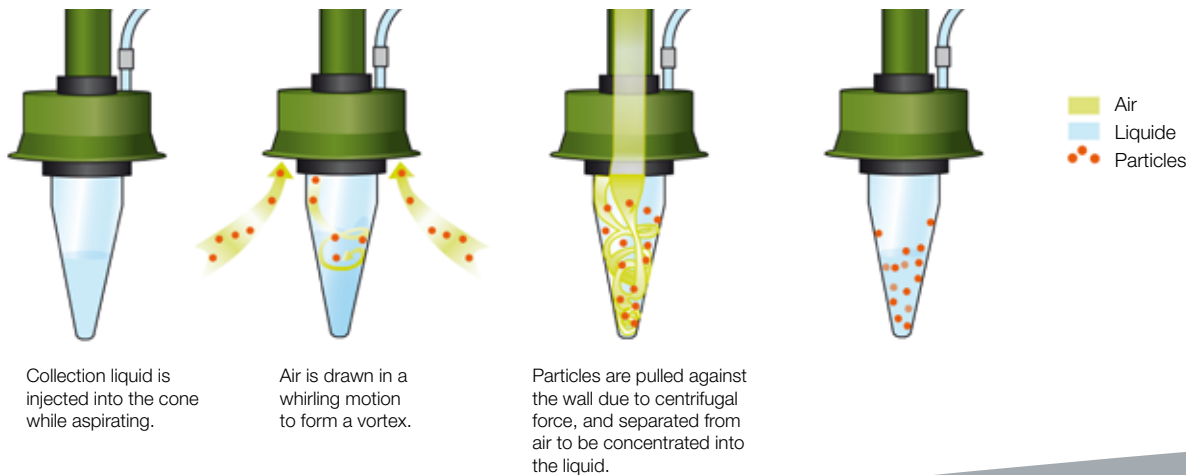
- ▶ **Autonomous sampling:** triggered by the operator wearing IPE; Coriolis® RECON can be used by Recon teams or first responders or for mobile applications to rapidly obtain a sample and identify the biological threat.
- ▶ **Biological sentry mode:** Coriolis® RECON can be set up in a standby mode,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

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 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 a whirling motion to form a vortex.

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

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 - 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

www.coriolis-air sampler.com

www.bertin.fr/en

coriolis@bertin.fr

Bertin Technologies

USA Offices
Washington DC
 155 Gibbs Street
 20817 Rockville, MD, USA
Phone: +1 240 428 1024

Headquarters
Paris area, France
 Parc d'Activités du Pas du Lac
 10 bis, avenue Ampère
 78180 Montigny-le-Bretonneux
Phone: +33 1 39 30 61 60

Asia Offices
Singapour
 2 Kallang Avenue CT Hub
 #07 - 23/24
 Singapore 33940
Phone: (+65) 6444 6455

Product by Bertin Technologies, credited ISO 9001.



Sites d'AX, TARNOS et MONTIGNY-LE-BRETONNEUX