Applications

Coriolis® has been designed for slightly contaminated environments and fits your requirements:

**Pharmaceutical Industries**
- Process monitoring in aseptic conditioning zones
- Laminar flow cabinet and isolator control
- Decontamination procedure evaluation

**Food & Cosmetic Industries**
- Process monitoring in aseptic conditioning zones
- Laminar flow cabinet control
- Decontamination procedure evaluation (HACCP method)

**Hospitals & Healthcare**
- Pathogens & contamination detection in clean rooms
- Prevention of nosocomial infections
- Control of operating rooms

New generation AIR SAMPLER
Quick & reliable air control

Bertin Technologies
Parc d’activités du Pas du Lac
10 bis, avenue Ampère - BP 284
78180 Montigny-le-Bretonneux
France

www.coriolis-airsampler.com
E-mail: coriolis@bertin.fr
Phone: +33 (0) 139 306 070
Fax: +33 (0) 139 366 185
As for the collection of biological particles is decisive in air monitoring, you can now trust Coriolis® μ for quick and reliable results. Thanks to its innovative cyclonic technology, the liquid sample output allows more than agar spread plates, a rapid alternative analysis that goes beyond classical microbiology results. In accordance with ISO 14698-1, Coriolis® μ is the ideal equipment for air contamination control in a wide range of industrial and healthcare environments.

Quick & Reliable air control ...

Culture, PCR, Cytometry, ATP-luminescence ...
Bacteria, Fungi, Molds, Pollens
Cultivable, viable & total flora

Liquid sample for quick results
The new generation of Coriolis® air samplers provides a liquid sample of your environment: qualify & quantify airborne particles at least by culture & even more quickly by PCR, Cytometry, ATP-Luminescence...

More sensitivity & more information
Get access to higher sensitive analysis & to new data: detect not only cultivable flora but also viable and total flora.

Cyclonic Technology
Coriolis® patented technology is based on a cyclone type operation and concentrates airborne biological particles

Light and compact
Less than 3 kg, easy to handle and adapted to narrow areas

Easy decontamination
Autodisinfettive parts
Resistance to classic disinfectants and highly hydrogen peroxide

Validation booklet
IQ OQ PQ procedure

Sterile consumables
Single use cones with caps and specific collection liquid

Flexible and easy set up
Adjustable air flow rate, collection time and delayed start

Long time monitoring
Thanks to its liquid sample, long time collections possible by balancing evaporation

Battery operating
2 hours autonomy

High air flow rate
Up to 300 liters/min flow rate: in 10 minutes, collect up to 3 m³

ISO 14698-1 Certified biological/physical efficiency

Biological efficiency of Coriolis® Technology
Staphylococcus aureus ATCC 12823
- High average of 78%

Physical efficiency of Coriolis® Technology
(Bacillus subtilis ATCC 19073)
- 62% recovery for particle size of 0.8 μm
- 70% recovery for particle sizes from 1.6 μm
- 80% recovery for particle sizes from 2.4 μm
- 100% recovery for particle sizes from 4 μm
- 109% recovery for particle sizes from 16 μm

Sample ready for rapid analysis
Particulates pulled against the wall due to centrifugal force and separated from air to be concentrated into the liquid.