

## Applications



Coriolis<sup>®</sup>  $\mu$  has been designed for slightly contaminated environments and fits with 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

DISTRIBUTOR CONTACT



[www.coriolis-air-sampler.com](http://www.coriolis-air-sampler.com)

# New generation AIR SAMPLER Quick & reliable air control

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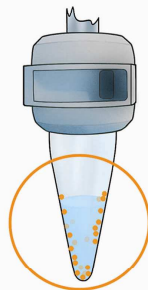
**bertin**  
TECHNOLOGIES



# NEW GENERATION AIR SAMPLER - Quick & reliable air control

As far as the collection of biological particles is decisive in air monitoring, you can now trust Coriolis®  $\mu$  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 14 698-1, Coriolis®  $\mu$  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.



## Light and compact

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

## Easy decontamination

Autoclavable parts  
Resistance to classic disinfectants and vapour hydrogen peroxide

## Validation booklet

IQ OQ PQ procedure

## Sterile consumables

Single use cones with caps and specific collection liquid



## 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 l/min flow rate : in 10 minutes, collect up to 3 m<sup>3</sup>

## Flexible and easy set up

Adjustable air flow rate, collection time and delayed start

## Cyclonic Technology

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



Cone pre-filled with collection liquid)



Air drawn into the liquid in a whirling motion to form a vortex.



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



Sample ready for rapid analysis

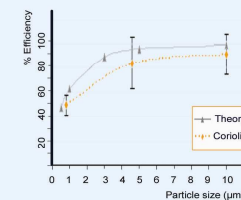
## ISO 14698-1 Certified biological/physical efficiency

### Biological efficiency of Coriolis® Technology

- High average of 78% (E. Coli MRE 162) \*

### Physical efficiency of Coriolis® Technology \*

- 49% recovery for particle size of 0.8  $\mu$ m
- 84% recovery for particle sizes from 4.6  $\mu$ m
- 92% recovery for particle sizes from 10  $\mu$ m



\* Biological and physical efficiency have been validated according to ISO 14698-1 recommendations, by an independent testing agency (HPA, Health protection Agency, Porton Down, UK)