



**coriolis**  
Microbial Air Sampler



# Coriolis® COMPACT



## Portable Dry Cyclonic Air Sampler

- Concentrated sample compatible with any downstream analysis
- Light & compact for indoor & outdoor use
- High efficiency with up to 8 hours of autonomy

# Coriolis® COMPACT



## Portable dry air sampler for bio contamination control:

The Coriolis® Compact is a dry cyclonic collector intended for unicellular air monitoring. Light and compact, it can be easily transported and positioned on strategic places for **indoor and outdoor sampling**. Its **innovative dry cyclonic technology** aspirates the particles with an airflow of 50L/m & centrifuges them in a cone. The collected particles or microorganisms can then be recovered by rinsing consumable with appropriate buffer solution, so **the sample is compatible with multiple downstream analysis** (NGS, qPCR, Culture). The Coriolis® Compact gives access to **highly sensitive and specific results in only a few hours**.

Due to an improved battery autonomy, it performs up to **8 hours of continuous sampling**. Bertin provides single use consumable to avoid cross contamination.

## Applications:



Pollution & Environment



Food / Pharma / Veterinary / Industry

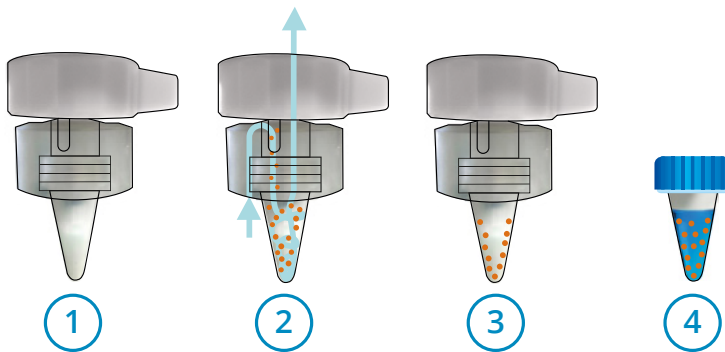


Biomedical & Health



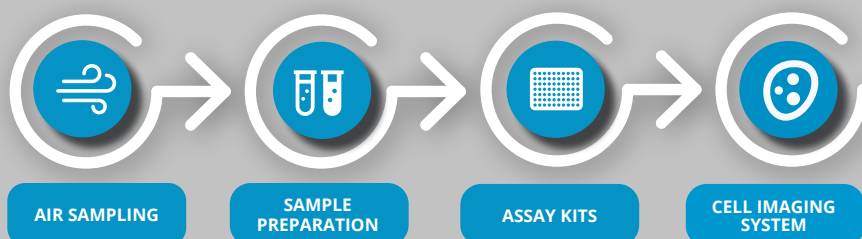
Research & Development

## Innovative dry cyclonic technology:



1. The cone is placed on the device and locked
2. Aspirated air runs into the cone & forms a vortex
3. Particles in the air are centrifuged in the cone's walls
4. Collected particles are recovered by rinsing the cone.

## Bertin's Life Sciences Solutions



## Technical features

### DIMENSIONS

255x135x130 mm.

### WEIGHT

1.2 kg. (battery included)

### COLLECTION TIME

From 1 minute to 8 hours

### TEMPERATURE RANGE

+5°C to +45°C  
with a humidity range of 10% to 90%

### FLOW

50 L./min.

### SIZE OF PARTICLES COLLECTED

From 500 nm. to 10 µm.

### TYPE OF PARTICLES COLLECTED

Bacteria, viruses, molds...

### AUTONOMY ON BATTERY

8 hours in operation

### DECONTAMINATION

H<sub>2</sub>O<sub>2</sub>

### CATALOGUE REFERENCE

P002114-CORC0-A.0