



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

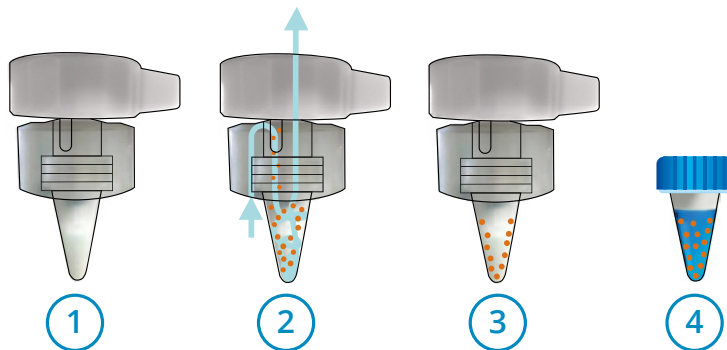


Biomedical & Health



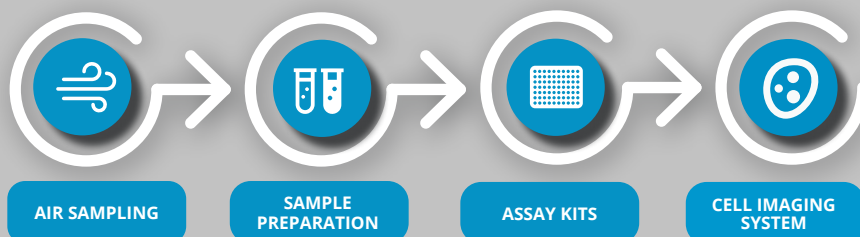
Research & Development

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
H₂O₂

CATALOGUE REFERENCE
P002055-CORC0-A.0