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

bertin instruments

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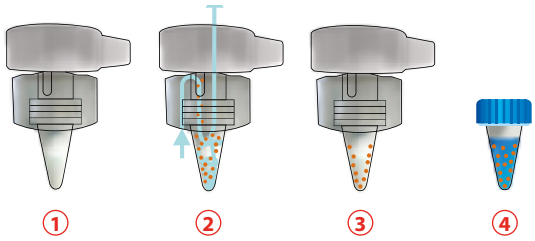
CORIOLIS® COMPACT

PORTABLE DRY AIR SAMPLER

FOR BIO CONTAMINATION CONTROL

The Coriolis® Compact is a dry cyclonic collector intended for microbial 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.

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.

Applications

Pollution & Environment

Food / Pharma / Veterinary / Industry

Biomedical & Health

Research & Development

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	Max 8 hours in operation at 20°C
Decontamination	h2o2
Catalogue reference	P002055-CORC0-A.0.

Discover our comprehensive range of solutions

AIR SAMPLING · SAMPLE PREPARATION · ASSAY KITS · CELL IMAGING SYSTEM · TECHNOLOGY ON DEMAND

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