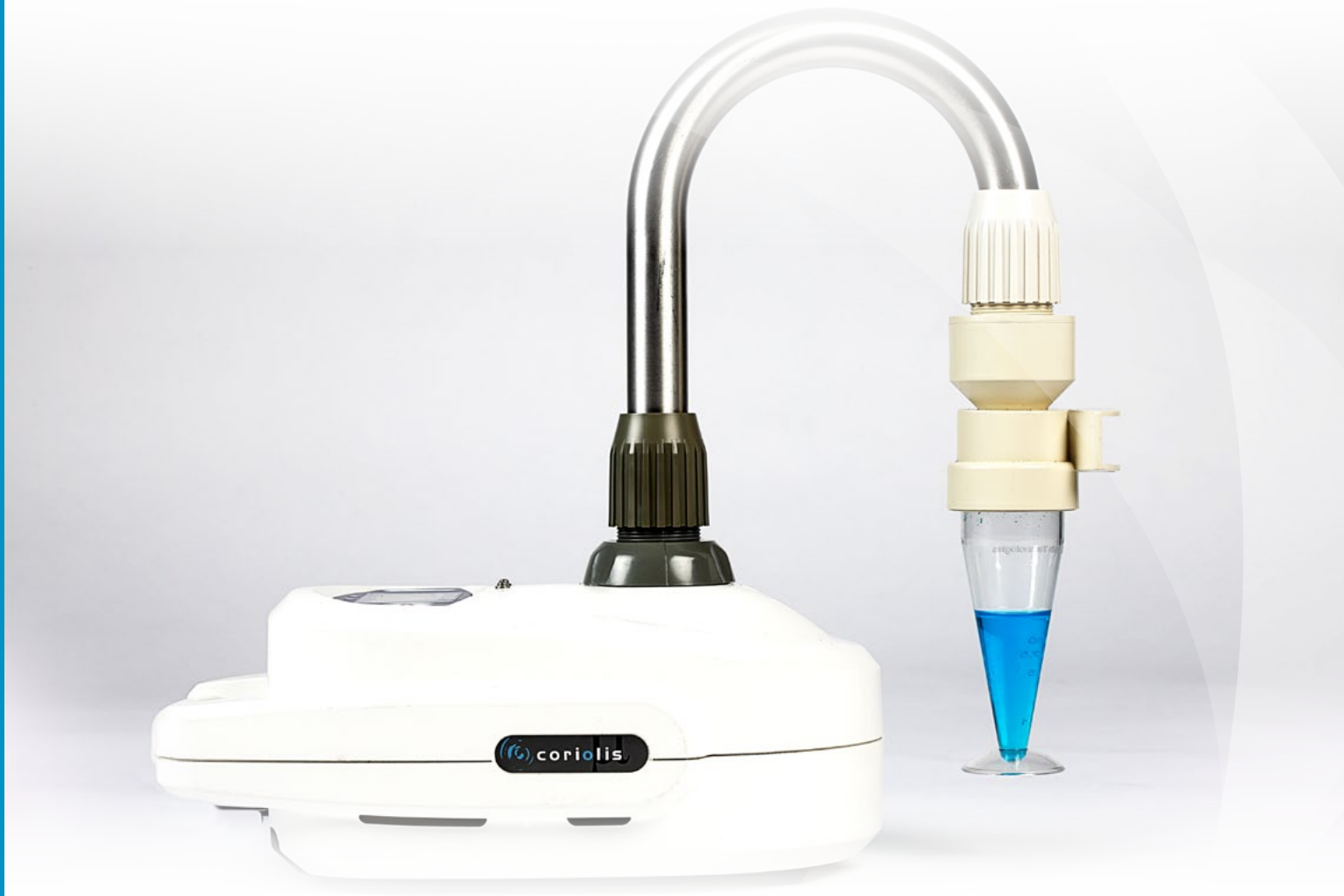
coriolis
Microbial Air Sampler

Coriolis® MICRO



Microbial air sampler for air bio-contamination control

- Airborne particles concentration in a liquid sample
- Technology adapted to virus, bacteria, molds, pollens, spores...
- Compatible with culture and molecular biology standard methods

bertin INSTRUMENTS
MONITOR THE INVISIBLE

WWW.BERTIN-INSTRUMENTS.COM

CNIM

Coriolis® MICRO

Air sampler compatible with any type of analysis

Coriolis µ is an innovative biological air sampler for bio-contamination assessment, mainly dedicated to **air quality control** and **air quality monitoring** in environmental and pollution research, pharmaceutical, food and veterinary industries, biomedical and health environment...

Based on a wet cyclonic technology, combined to a high air flow rate, Coriolis µ offers the most efficient particles collection in 10 minutes. The sample liquid output is compatible with any type of analysis to obtain **reliable results in only few hours**.

Applications:

Pollution & Environment

Food / Pharma / Veterinary / Industry

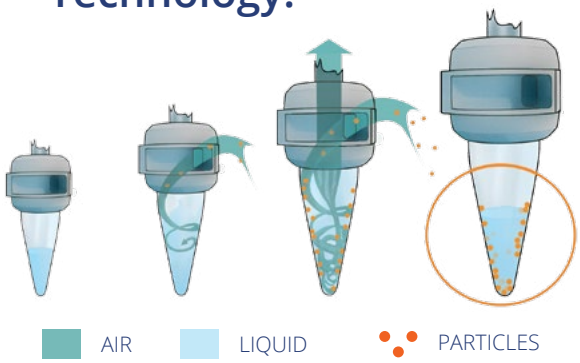
Biomedical & Health

Research & Development

Benefits:

- **High Air Flow Rate & Long Time Monitoring option - Up to 6 hours**
- Access to alternative technical analysis
- Split up your sample for different analysis
- Bio-contamination results beyond the cultivable flora
- Validated method by third parties - conforms to ISO 14698

Technology:



1 - Sterile cone prefilled with specific liquid sample

2 - Air is aspirated and drawn into the cone forming a vortex

3 - Particles are centrifuged into the wall of the cone and separated from air

4 - Contaminants in the liquid sample are ready for analysis

Technical features

DIMENSIONS
22 x 33 x 36 cm

WEIGHT
2,8 kg (with battery)
4,3 kg with option

AIR FLOW RATE
100 to 300 L/min

SAMPLING TIME
1-10 min / up to 6 h

LIQUID OUTPUT VOLUME
15mL

COLLECTED PARTICLES SIZES
> 0.5 µm

COLLECTION EFFICIENCY
D50 <0,5µm

AUTONOMY ON BATTERY
1 hour

AUTONOMY
1h (collection time)

DECONTAMINATION
Hydrogen peroxide

Coriolis Air Sampler Range

Discover the full range of dedicated consomable

Sterile collection liquid doses

Sterile and non sterile cones & caps (single use)

Long time monitoring option

Bertin Technologies S.A.S • Parc d'Activités du Pas du Lac • 10 bis, avenue Ampère, 78180 Montigny Le Bretonneux
WWW.BERTIN-INSTRUMENTS.COM
RCS: 422 511 204 VERSAILLES I SIREN: 422 511 204