



AIR. NOTHING ELSE.



# RAPID-C+

Real-time air microbial detector.

Rapid-C+ is the leading choice for real-time environmental monitoring in aseptic processing. Its innovative combination of patented optical detection and continuous agar plate sampling provides a thorough solution for ensuring air cleanliness. With Rapid-C+, viable particles in critical areas are monitored in real time, continuously, and accurately.

- ON-LINE:** Real-time microbial air monitoring with a unique biofluorescent particle counter (BFPC)
- COMPLETE:** Viable and total particle count combined with continuous active air sampling on agar plates with one instrument
- PRECISE:** Highest accuracy and fault resistance through patented laser technology based on high-resolution light scattering and fluorescent spectroscopy



## BENEFITS



### REDUCE CONTAMINATION RISK

Fully automatic method with hands-free operations in Grade A



### STAY 100% REGULATORY COMPLIANT

Implementation of a contamination control strategy in compliance with EU GMP Annex 1 standards



### GAIN IN PRODUCTION YIELD

Accurate control of air contamination enabling immediate excursion response to retain unaffected sub-batches



### DETECT AN UNMATCHED FULL RANGE OF PARTICLES

Optical analysis counts viable and total particles, capturing everything on the active air sampler with constant air flow



### ENHANCE PROCESS SECURITY AND UNDERSTANDING

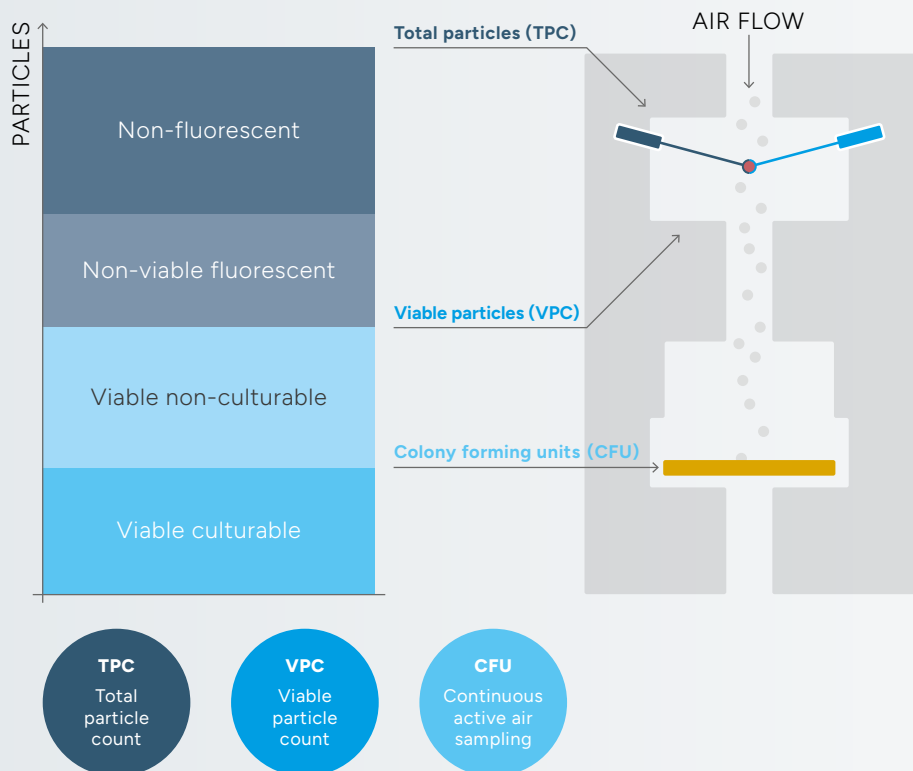
Continuous microbial monitoring with immediate timestamped alert and identification on agar plate



### ACQUIRE UNRIVALED PRECISION AND INNOVATION

Advanced laser technology with active air sampling and optical classification to discard fluorescent interference

## ALL-IN-ONE SOLUTION FOR ENVIRONMENTAL MONITORING



## PERFORMANCE FEATURES

Air flow rate	5 l/min (+/- 5%)
Viable particle count (VPC) size range	0.5 µm to 100 µm
Total particle count (TPC) channels	≥ 0.5 µm, ≥ 1 µm and ≥ 5 µm
Optical analysis	Every minute: VPC, TPC, volume of air, status of instrument, time stamp of measurement
C-Catch	Certified 85 holes aseptic multi-jet impactor for active air sampling
Continuous active air sampling	More than 4 h sampling time, minute-level switch C-Catch for agar plate exchange

## PERFECT FIT FOR CRITICAL ZONES

Rapid-C+ is fully validated in accordance with regulatory standards.

✓ Validated according to USP <1223>, Ph.Eur. 5.1.6. and PDA TR No. 33

✓ User-driven primary validation conducted at Plair's bioaerosol testing facility

## SPECIFICATIONS

Dimensions	H 50 cm W 26.5 cm D 30 cm
Weight	30 kg
Communication	Ethernet / REST API Interface with systems & production facilities
Power consumption	< 200 W at rated voltage
Data storage	24 h, one data set per minute
Zero count	≤ 3 per m <sup>3</sup> (ISO 21501-4)
Environmental operating conditions	5 °C to 30 °C R/H: 20 to 80 % non-condensing
User interface	PlairGrid software
Air interfaces	Top inlet, operation exhaust (HEPA filtered external pump), decontamination exhaust (ext. pump required)

## ESSENTIAL EXTRAS

### SERVICES

- Professional guidance from experts
- IQ/OQ documentation and performance
- Annual calibration (flow rate, TPC, VPC – annual frequency recommended)

### ACCESSORIES

- C-Catch (aseptic multi-jet impactor)
- C-Socket (support for agar plate un/loading in C-Catch)
- C-Clean (to place biological or enzyme indicators during VHP process)
- Zero-count filter
- Isokinetic probe



**LIVE DEMO & CONSULTATION**

Get in touch!