



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

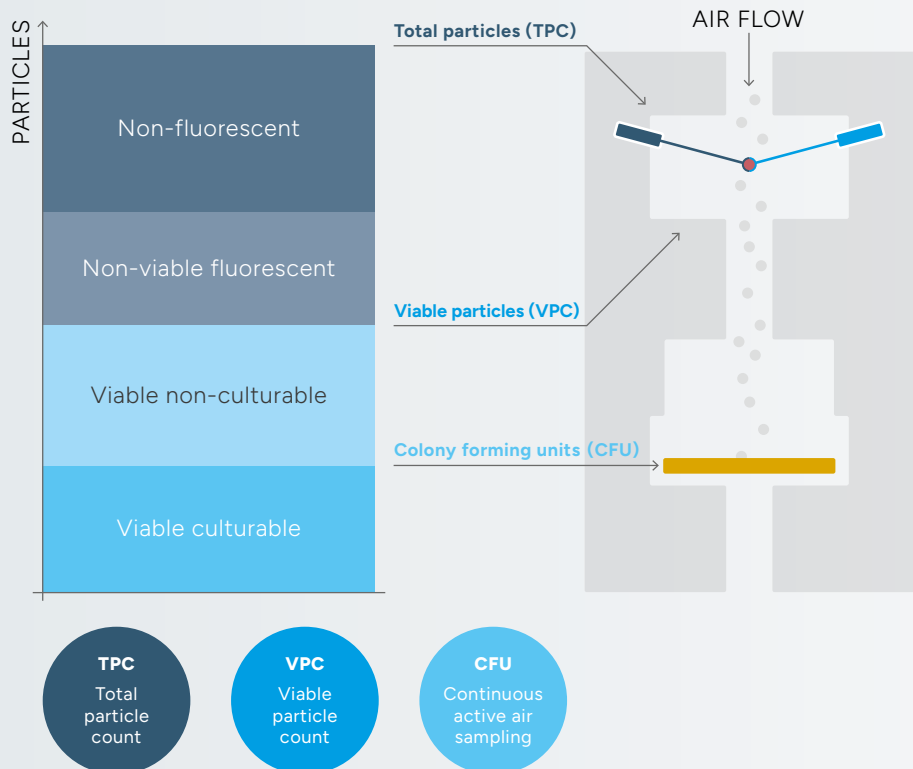


ENHANCE PROCESS SECURITY AND UNDERSTANDING
Continuous microbial monitoring with immediate timestamped alert and identification on agar plate



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, TCP, 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 ³ (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!