Without measurement there is no control®

PARTICLE MEASURING SYSTEMS®
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BioCapt® Single-Use AutoM

Microbial Impactor



The best solution for monitoring critical areas

The BioCapt® Single-Use AutoM Microbial Impactor is a proprietary,* lightweight, integrated air sampler designed for the automated filling line from Pharma Integration. It is part of the Biocapt® Single Use (BCSU) family and has an innovative design with a magnet on top of the lid that can be easily handled in automated isolator environments.

The BCSU AutoM can easily be installed to replace any stainless-steel impactor without modification of the filling line. It is a sterile, ready-to-use unit already filled with Trypticase Soy Agar and 4 neutralizers. This cutting-edge device features a tight magnetic seal, guaranteeing no penetration by vapors, gases, or liquids (e.g. vaporized hydrogen peroxide (VHP), exposure to sterilization cycle, etc.). This feature allows for pre-introduction (prior to a potential environmental decontamination) and exposure to final washing fluids (in case of applications in contaminated environments).

Validated for up to four hours of continuous monitoring, the BioCapt® Single-Use AutoM microbial impactor supports compliance with global regulatory requirements, including Annex 1.

The BioCapt Single Use AutoM uses the radial slit design of the BioCapt® family, validated at the Centre for Applied Microbiology & Research (CAMR), a Health Protection Agency (HPA) at Porton Down. It achieves isokinetic sampling for minimal air turbulence in compliance with ISO 14698-1 and can be used for sampling from 25 to 50 LPM

BENEFITS

- Compatible with the use in state-of-the-art filling lines
- No vapor penetration (e.g. Hydrogen peroxide)
- No liquid penetration

Test ready

- Fully prepared and disposable
- Eliminates agar plate preparation
- Eliminates autoclave sterilization
- Samples efficiently at a flow rate between 25 and 50 LPM

Cost reduction and increased productivity

- Easy handling for a plug and play solution
- Use for continuous monitoring up to 4 hours (after validation based on local parameters)
- Eliminates passive sampling as it can be validated for continuous use in alignment with Annex 1 requirements
- Reduced number of investigations

FEATURES

- Culture media stability validated up to 12 months
- Storage either at room temperature or under refrigeration (2 - 25 °C)
- 4 total layers of sterile packaging: each impactor is individually wrapped, then 2 units are bagged together and gamma irradiated, then these pairs are combined to make a set of 24, placed in 2 additional bags
- Improved lot traceability using 3D data matrix
- Compatible with active air monitoring systems
- Extensive validation studies available
- 100% inspection of critical dimensions during manufacturing process, including leak test
- Complies with ISO 14698-1 for highest microbiological and physical efficiencies
- Standard culture media of TSA with nuetralizers
- Designed to be operated with a specific exchanging sensor (under development)

APPLICATIONS

- Microbial air sampling monitoring in gloveless isolators

BioCapt® Single-Use AutoM Microbial Impactor

PARAMETER	SPECIFICATION
Materials	Polystyrene
Air inlets	20 slits, 0.1 mm nominal width
Flow rates	from 25 - 50 LPM
Dimensions	120 mm exterior diameter 38.5 mm exterior height (with lid) 90 mm diameter agar surface
Filling volume	30 ml
Vacuum connectors	Hose Barb 11 mm OD and 31.5 mm long (includes removable cap)
Standard media	Trypticase Soy Agar (TSA) with neutralizers.
Packaging	48 units (24 double packs)



NEED MORE INFORMATION? Scan the QR code to connect with our team for guidance

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