

BioCapt® Single-Use

Microbial Impactor

Without measurement there is no control.



The BioCapt Single-Use active air microbial sampler is the latest innovation in the BioCapt Air Sampling product line. Using a radial slit impactor design similar to other BioCapt Air Sampling atria, the product complies with ISO 14698-1. This fully-prepared and sterilized unit eliminates agar plate preparation and minimizes operator handling.

Operator sample handling has been directly linked to costly false-positive investigations. As a ready-to-use sterilized unit, the BioCapt Single-Use eliminates unintended contamination by removing operator interaction with media and sterile re-usable stainless steel impactor heads.

This product achieves sampling with minimal air disruption and can be used to sample efficiently at 25 or 50 l/min (recommended) to suit both routine monitoring and fast sampling needs.

Gamma-irradiated and H₂O₂ impermeable packing – The BioCapt Single-Use is gamma-irradiated in the final manufacturing step after it is triple-bagged, with the two outer bags made of H₂O₂ impermeable packaging. Elimination of external contamination improves reliability and enables validated recovery of microorganisms on the prepared culture media.

GMP compliance – BioCapt Single-Use meets GMP Compliance guidance for microbiological monitoring in cleanrooms and sterile production facilities during aseptic and sterile production.

BioCapt Single-Use is easily introduced into a new environmental monitoring program or into any active air monitoring hardware system with fixed vacuum systems already in use.

FEATURES

- Culture media are validated to be stored either at room temperature or under refrigeration, with a shelf life of up to 9 months
- Offered in standard culture media of TSA and SDA, as well as client-specific, pre-validated microbiological culture media
- Compatible with leading active air monitoring systems

BENEFITS

- Reduced risk of contamination by improper handling of media plates (elimination of false positives)
- Eliminates time consuming and operator-dependent cleaning and process steps associated with traditional stainless steel microbiological samplers. Specifically:
 - Disinfection
 - Sanitization
 - Sterilization and autoclaving procedures
- Simplified SOP's eliminate possible injuries and handling concerns with stainless steel impactors
- Risk reduction during the introduction and withdrawal of microbiological sampling plates in sterile production areas



**PARTICLE
MEASURING
SYSTEMS**



Remote Sampling



Mobile Sampling Grades A, B, C, D

BioCapt® Single-Use

Microbial Impactor

SPECIFICATIONS

Materials	Polystyrol
Air Inlets	20 slits, 0.1 mm nominal width
Flow rate	25 LPM or 50 LPM recommended (100 LPM capable)
Dimensions	120 mm exterior diameter 38.5 mm exterior height (with lid) 90 mm diameter agar surface
Vacuum Connector	10 mm inlet hosebarb 31.5 mm long (includes removable cap)
Standard media	30 ml of Trypticase Soy Agar (TSA) or Sabouraud Dextrose Agar (SDA)
Additives	Neutralizers Neutralizers and Penicillinase 4,000 IU/l Neutralizers and Betalactamase 400 IU/l

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