Without measurement there is no control®

PARTICLE MEASURING SYSTEMS®
a spectris company

BioCapt® Adjustable Height

Microbial Impactor



Ideal for viable particle contamination monitoring in controlled environments

The BioCapt® Adjustable Height Microbial Impactor enables microbial air sampling in cleanroom environments for viable particle contamination monitoring. Available in three flow rate models, it can be used with an external controlled vacuum source at 25, 50, or 100 L/min.

The complete assembly is made of 316L stainless steel and is suitable for autoclave sterilization. Each impactor features adjustable plate height and diameter, accommodating agar media plates from 86 to 92 mm in diameter and 3 to 6 mm in height. These versatile dimensions allow the BioCapt Adjustable Height Microbial Impactor to be used with nearly all manufactured agar plates, including glass Petri plates. Each impactor has 20 radial precision-cut slits to ensure laminar flow, making false-positive identification easier and maximizing collection efficiencies for viable particles in accordance with ISO 14698-1.

The BioCapt Adjustable Height is available in multiple configurations for specialized applications such as environmental monitoring and isolator installation, and fits easily into cleanroom sample location spaces.

Use in combination with Particle Measuring Systems' MiniCapt Mobile and Remote Microbial Samplers, in addition to the Facility Pro monitoring system.

BENEFITS

- Meets ISO 14698-1/Annex B for physical and biological collection efficiencies
- Autoclavable 316L stainless steel
- Optimal slit design ensures microorganisms are undamaged during sampling
- Immediate and easy detection of false-positives
- Adjustable height and diameter mechanism for versatile Petri dish compatibility

FEATURES

- Stainless steel
- Protects Petri dish from unintentional contamination
- Vacuum draws air down over media for sample collection

APPLICATIONS

- Microbial air sampling in cleanrooms and associated controlled environments
- USP 797 environmental viable-airborne particle testing
- Bioburden monitoring of medical device manufacturing environments
- Microbial monitoring of aseptic manufacturing areas
- Inspecting potential areas where sensitive instrumentation and equipment will be installed

BioCapt® Adjustable Height Microbial Impactor

PARAMETER	25 LPM & 50 LPM	100 LPM
Material	AISI 316L stainless steel	
Air Inlet	20 radial slits	
Flow Rate	25 LPM / 50 LPM	100 LPM
Consumables	Agar Petri dish (not provided)	
Agar Plate Dimensions	Diameter: 86 to 92 mm Volume: 18 to 32 ml Depth: 3 to 6 mm	
Vacuum Connection available[1]	1/2 inch side barb fitting 3/4 inch side barb fitting 3/4 inch tri clamp fitting	3/4 inch side barb fitting 3/4 inch tri clamp fitting

[1] Vacuum connection specification depends on the BioCapt configuration ordered.

A simple locking mechanism — just twist after placement!



Side barb fitting impactor head

The 100% stainless steel 316L tripod guarantees a high, stable position.



Isolator stand

With an adjustable height and diameter, it easily fits all available agar plates on the market.



Tri clamp fitting impactor head

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

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