

# MiniCapt®

## Portable Microbial Sampler



The MiniCapt® Portable Microbial Sampler enables an operator to collect biocontamination samples throughout cleanrooms and clean air devices. The slits in the BioCapt® Impactor Head are precision cut to ensure laminar flow, thus maximizing collection efficiencies for viable particles of interest in accordance with ISO 14698-1. Biological efficiency is guaranteed by ensuring optimal impaction velocity, also giving statistical control over false positive results.

Sampling intervals are completely customizable by the user to start and stop multiple times per run so the entire process can be monitored. The fully autoclavable BioCapt Impactor Head, highly sanitizable sampler case, and HEPA filtered outlet air ensure that the MiniCapt Portable Microbial Sampler does not contaminate the cleanroom environment. Monitoring of compressed gases or remote sampling of aseptic environments is possible with the purchase of the optional compressed gases kit or isolator kit.

### BENEFITS

- Validated to ISO 14698-1: Biocontamination Control of Cleanrooms and Associated Controlled Environments
- High physical and biological collection efficiency calculated per ISO 14698-1/ Annex B
- Compliant with cGMP, GAMP®, and pharmacopeial regulatory requirements
- 100 L/min and 50 L/min flow rates ensure sample volume is collected quickly enough to avoid physical or chemical degradation of the collection medium
- Autoclavable BioCapt Impactor Head; sampler control module is easily sanitized
- Optimal slit design in BioCapt Impactor Head ensures laminar flow and that microorganisms are undamaged during sampling
- Immediate detection of false positives
- Minimal contamination from operator
- HEPA filtered outlet air does not contaminate the cleanroom or clean air devices
- Removable pin set allows for a variety of different plates to be used

### APPLICATIONS

- Cleanroom biocontamination monitoring
- Compressed gases or isolator monitoring (Requires optional compressed gases kit or optional isolator kit.)
- USP 797 environmental viable airborne particle testing
- Generate baseline biocontamination data for newly constructed and commissioned installations
- Troubleshooting particle excursions



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### specifications

<b>MiniCapt</b>		
Sampling flow rate	50 Liters/minute	100 Liters/minute
Flow rate control	Electronic	Electronic
Battery	Ni-Mh 12 V 8A; 6 hours continuous operation, 7 hours charge time	Ni-Mh 12V 8A; 2 hours continuous operation, 7 hours charge time
Power supply	Input: 100 – 240 VAC. 50/60 Hz, 1.5 A	Input: 100 – 240 VAC. 50/60 Hz, 1.5 A
Memory	50 Samples	50 Samples
Sampling modes	Volume or Time	Volume or Time
Sampling interval	10 – 6,000 Liters (Volume) or 0 – 120 minutes (Time)	10 – 6,000 Liters (Volume) or 0 – 120 minutes (Time)
Sampling delay	1 – 60 Seconds	1 – 60 Seconds
Communication	RS232C	RS232C
Display and printer	2 x 24 characters; RS-232 standard	2 x 24 characters; RS-232 standard
Dimensions (h, w, d)	7.6 x 6.3 x 9.8 in (19 x 16 x 25 cm)	7.6 x 6.3 x 9.8 in (19 x 16 x 25 cm)
Weight	10 lb (4.5 Kg)	10 lb (4.5 Kg)
Operating environment	Temperature: 32 – 122 °F (0 – 50 °C); Humidity: 10 – 90% RH	Temperature: 32 – 122 °F (0 – 50 °C); Humidity: 10 – 90% RH
Calibration	Every 12 months	Every 12 months
<b>BioCapt Impactor Head</b>		
Materials	AISI 316L Stainless Steel	AISI 316L Stainless Steel
Number of slits	20 (Precision cut slits)	20 (Precision cut slits)
Slit depth	3 mm	3 mm
Slit thickness	0.1 ± 0.01 mm	0.1 ± 0.01 mm
Consumable	90 mm plates (removable pins for various manufacturing plates)	90 mm plates (removable pins for various manufacturing plates)
<b>Optional Compressed Gases Kit</b>		
Pressure Range	0 – 3 bars	0 – 3 bars
Connection	Quick 6 mm (0.25") diameter	Quick 6 mm (0.25") diameter
Flowrate	50 Liters/minute	50 Liters/minute

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### AUTHORIZED REPRESENTATIVE



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