

MiniCapt®

Portable Microbial Sampler

Without measurement there is no control.



The MiniCapt Portable Microbial Sampler enables collection of biocontamination samples throughout cleanrooms and clean air facilities. 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

MiniCapt

	50	100
Sampling flow rate	50 Liters/minute	100 Liters/minute
Flow rate control	Electronic	
Battery	Ni-Mh 12 V 8 A; 6 hours continuous operation, 7 hours charge time	
Power supply	Input: 100 – 240 VAC, 50/60 Hz, 1.5 A	
Memory	50 Samples	
Sampling modes	Volume or Time	
Sampling interval	10 – 6,000 Liters (Volume) or 0 – 120 minutes (Time)	
Sampling delay	1 – 60 Seconds	
Communication	RS-232C	
Display and printer	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)	
Weight	10 lb (4.5 Kg)	
Operating environment	Temperature: 32 – 122 °F (0 – 50 °C); Humidity: 10 – 90% RH	
Calibration	Every 12 months	

BioCapt Impactor Head

Materials	AISI 316L Stainless Steel
Number of slits	20 (Precision cut slits)
Slit depth	3 mm
Slit thickness	0.1 ± 0.01 mm
Consumable	90 mm plates (removable pins for various manufacturer's plates)

Optional Compressed Gases Kit

Pressure Range	0 – 3 bars
Connection	Quick 6 mm (0.25") diameter
Flowrate	50 Liters/minute

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