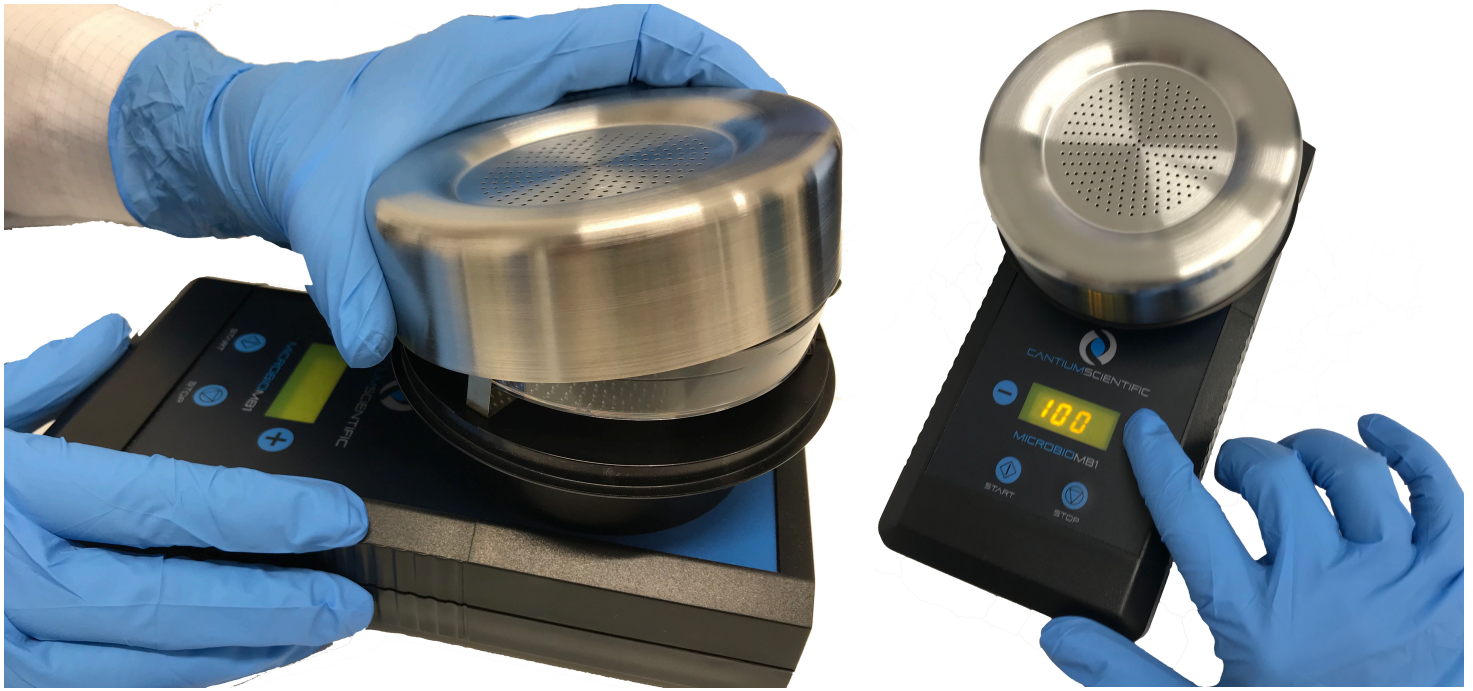


# MicroBio MB1

## Bioaerosol Sampler (inc. MB1-HiFlow)



Bioaerosol samplers are vital equipment for use in bioaerosol research, clean rooms, pharmaceutical validation, food production and packaging, indoor air quality monitoring and throughout hospitals wherever air hygiene is paramount. Designed to meet the requirements of ISO14698 and ISO17141, the MicroBio MB1 Bioaerosol Sampler has a host of features making it ideal for use in such applications.

Depending on model variant, the MicroBio MB1 bioaerosol sampler is capable of using both a 90 mm Petri dish (400 and 220 hole head versions) or 55 mm contact plates (220 hole head version). Using standard readily available consumables at low cost with a variety of media makes the MicroBio MB1 an economical instrument to use. The MicroBio MB1 bioaerosol sampler is an invaluable device for use in food production and packaging, dairy, bakeries, indoor air quality, HVAC and education.

Now with a HiFlow option that samples air at 180 litres per minute, the MicroBio MB1 can be used in scenarios where high volume samples are required, with reduced impact on normal activities in areas being tested, such as operating theatres and clean rooms.



**CANTIUM SCIENTIFIC**  
ENGINEERING FOR SCIENCE

Model	MB1 - 220 Hole	MB1 - 400 Hole	MB1 - HiFlow
Sample Head	220 holes x 1mm Stainless Steel	400 holes x 0.7mm Anodised Aluminium	400 holes x 1.0mm Stainless Steel
Autoclavable	✓	✓	✓
Flow (L/min)	100	100	180
Sampling Volume per Sample (litres)	10 - 2,000	10 - 2,000	10 - 2,000
Autonomy (litres)	> 60,000	> 60,000	> 40,000
d50 (um)	1.7	1.35	1.71
Particle velocity (m/s)	9.65	10.83	9.55
Start delay	1 to 60 minutes	1 to 60 minutes	1 to 60 minutes
90 mm Petri dish compatible	✓	✓	✓
55 mm contact plate compatible	✓	x	x
Weight (kg) (inc. battery)	0.763	0.705	0.763
Dimensions	196 x 100 x 108 mm with attached sampling head	196 x 100 x 108 mm with attached sampling head	196 x 100 x 108 mm with attached sampling head
Battery	4 x AA NiMH cells, 6V	4 x AA NiMH cells, 6V	4 x AA NiMH cells, 6V
Battery replacement	User replaceable for under £15	User replaceable for under £15	User replaceable for under £15
Charger	UK, Euro, USA, Australia 110 - 240V	UK, Euro, USA, Australia 110 - 240V	UK, Euro, USA, Australia 110 - 240V
Carry Case	✓	✓	✓
External Power 110 - 240Vac	Optional	Optional	Optional
Printed operating manual	✓	✓	✓
Flow rate calibration certificate	✓	✓	✓
DTI VAM Validated	✓	✓	✓
Warranty	2 years	2 years	2 years

#### Also available:

- IQ-OQ-PQ Documentation
- Validation and calibration kits

© 2024 Cantium Scientific Limited

[www.cantiumscientific.com](http://www.cantiumscientific.com)

Made in UK

