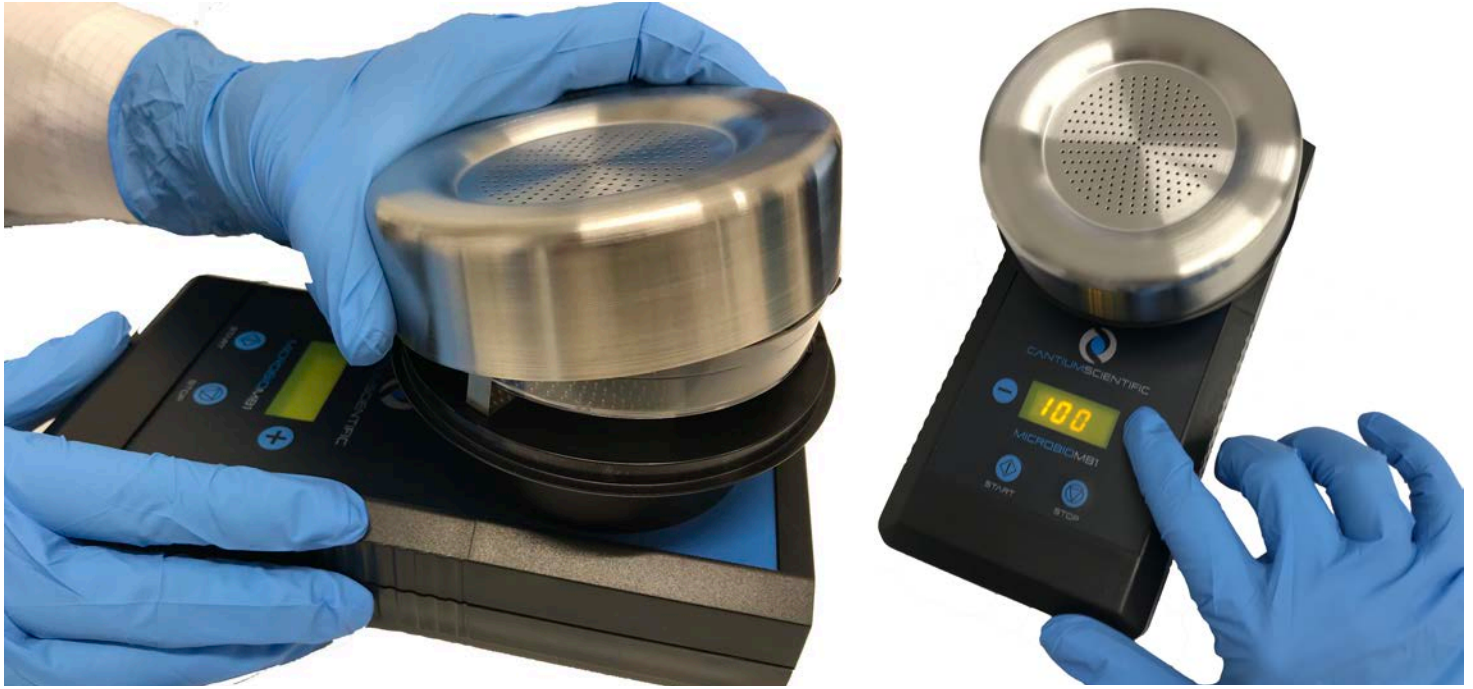


MicroBio MB1

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.



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| 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 |

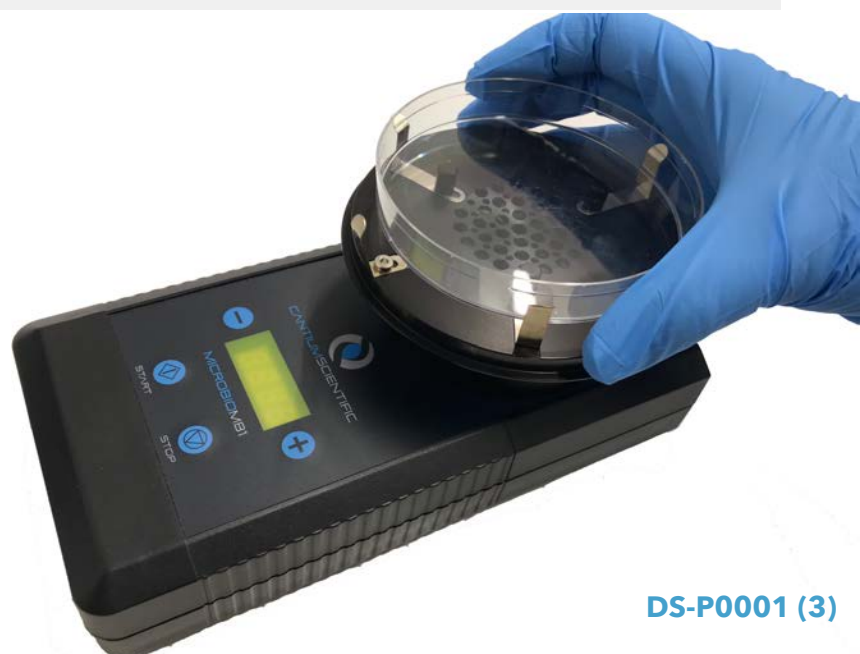
Also available:

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

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