

# MicroBio MB2 HiFlow Bioaerosol Sampler

Bioaerosol samplers are vital equipment for use in bioaerosol research, clean rooms, pharmaceutical validation and throughout hospitals wherever air hygiene is paramount.

The MicroBio MB2 HiFlow Bioaerosol Sampler has a host of features making it ideal for use in such applications and with a sample rate of 180 L/min, a cubic metre of air can be sampled in under six minutes. This will increase work throughput of sampling and reduce impact time on site.

The MicroBio MB2 HiFlow Bioaerosol Sampler uses 90 mm standard Petri dishes with a 400 hole anodised aluminium sampling head, avoiding the expense of proprietary sampling media. Using readily available low cost consumables with a variety of media, makes the MicroBio MB2 HiFlow Bioaerosol Sampler an economical instrument to use.

The MicroBio MB2 HiFlow Bioaerosol Sampler is an invaluable device designed for use in hospitals, with IAQ consultants, within food manufacturing and packaging, validating clean rooms to ISO 14698 requirements and for meeting USP797 Guidelines in the United States.



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# Key Features

- ▶ Uses 90 mm Petri dishes.
- ▶ Each sample from 10 to 10,000 litres.
- ▶ Alphanumeric LCD display in eight languages.
- ▶ Air flow 180 L/min,  $\pm 5\%$ .
- ▶ Particle d50 of 1.7 $\mu$ m.
- ▶ Particle velocity of 10m/s (within the limits of ISO14698) to allow maximum viability of captured organisms.
- ▶ Can sample over 40,000 Litres on a single charge. Use supplied NiMh cells or any quality Alkaline AA cells for maximum versatility, charging from 110-230V mains and car 12V socket.
- ▶ Delayed start from 1 minute to 3 hours for use in sealed rooms, where remote controls would be of no use.
- ▶ Sequential sampling allowing a large sample to be collected as user defined intervals for up to 24 hours on a single plate/dish.
- ▶ Up to 9 user pre-set sampling volumes.
- ▶ Standard UNC 1/4-20 photographic thread for use with any standard tripod.
- ▶ Results Analysis spreadsheets - free download.
- ▶ IQ/OQ/PQ documents - free download.
- ▶ Body is manufactured from ABS for resilience and is disinfectant, IPA and HPV resistant.
- ▶ Weight: 0.7 kg.
- ▶ Dimensions: 100 x 108 x 196 mm.
- ▶ Designed to meet the sampling requirements of ISO14698.
- ▶ Supplied with factory calibration certificate.
- ▶ 24 months warranty as standard.

# Supplied with

- ▶ 400 x 1.0mm hole anodised aluminium sampling head for use with 90 mm petri dishes.
- ▶ Multi-voltage international battery charger and NiMh AA cells.
- ▶ Mini table-top tripod.
- ▶ ABS foam padded hard-case that also holds accessories, charger, mini tripod, heads, and dishes.

# Options

- ▶ Portable validation kit.
- ▶ UKAS calibration.
- ▶ Additional sampling heads.
- ▶ External mains power supply.



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