

Simple steps to success

Open the vacuum chamber



Place your culture media plates, identification strips or samples in the appropriate application bags (use oxygen catalysers with application bags for anaerobic/micro-aerophilic culture for anaerobic atmosphere).



Insert the application bags into the vacuum chamber, with the upper edge in the gas jet groove



Close the lid to automatically start the evacuation cycle



Specification

A complete MAS is composed of a series of individual components:

- ✓ MAS device
- ✓ Gas cylinder(s)
- ✓ Two way reduction valve
- ✓ Application bags and catalyst
- ✓ Gas or gas mixture

The MAS device, two way reduction valve (only in the UK) and application bags plus catalyst are available direct from Microgen Bioproducts and/or the company's authorised distributors. The basic specifications of the MAS:

- ✓ Footprint dimensions: 380 x 420 x 350 mm
- ✓ Vacuum chamber dimensions: 340 x 325 x 60 mm
- ✓ Vacuum pump capacity: 6 m³.h⁻¹
- ✓ Sealing bar length: 310 mm
- ✓ Power source: 110 V or 220 V
- ✓ Power consumption: 370 W
- ✓ Weight: 40 kg

Ordering Information

Product Code	Description	Size
MAS01072	Microgen Atmosphere System	1 unit
MAS02031	Microgen Atmosphere System Dual Stage Regulator	1 unit
MAS03013	Large application bags for anaerobic/micro-aerophilic culture	200x bags (250 x 300 mm)
MAS03012	Medium application bags for anaerobic/micro-aerophilic culture	200x bags (160 x 250 mm)
MAS03011	Small application bags for anaerobic/micro-aerophilic culture	200x bags (160 x 200 mm)
MAS03023	Large application bags for CO ₂ culture	200x bags (250 x 300 mm)
MAS03022	Medium application bags for CO ₂ culture	200x bags (160 x 250 mm)
MAS03021	Small application bags for CO ₂ culture	200x bags (160 x 200 mm)
MAS02031	Small application bags for microbiological samples	200x bags (110 x 160 mm)
MAS02032	Large application bags for microbiological samples	200x bags (140 x 210 mm)
MAS04012	Oxygen catalyser for use with anaerobic/micro-aerophilic bags for anaerobic culture	20x oxygen catalysers (weight: 2g)

Contact details

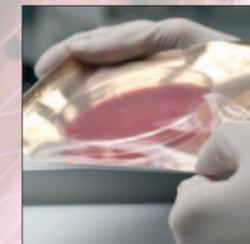
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Your local dealer is:



Creating the perfect atmosphere

Microgen Atmosphere System (MAS)



"An ideal addition to current laboratory incubation systems"

"Suitable for even the most fastidious of organisms"

"MAS proved to be extremely reliable and easy-to-use"

Evaluation of the Microgen Anaerobic System, Department of Clinical Microbiology, Peterborough & Stamford Hospitals NHS Foundation Trust, UK





The Microgen Atmosphere System (MAS) is a benchtop unit designed for preparing defined atmospheres (anaerobic, micro-aerophilic and CO₂) for the incubation and storage of bacteriological cultures, without the need for anaerobic jars and expensive catalysers, large expensive anaerobic cabinets and dedicated CO₂ incubators.

Unlike traditional anaerobic jars, specialised cabinets and CO₂ incubators, MAS instantly creates the perfect user-defined atmosphere in an application bag, which can then be incubated or stored under normal aerobic conditions.

A new improved way of working

Use of the MAS allows incubation of application bags in a standard aerobic incubator which saves space inside the incubator when compared to bulky anaerobic jars. In addition, a significant reduction in laboratory space over dedicated anaerobic cabinets is achieved. MAS immediately achieves the defined atmosphere within the application bag ensuring maximum growth and recovery of the target bacteria (supported by an independent evaluation), whilst the small volume of the application bags results in MAS consuming just sufficient gas to fill the application bags.

Cost effective

- ✓ Low gas usage, no need for large cylinders or generators
- ✓ Suitable for low or high volume testing
- ✓ Application bags take up less incubator space than traditional methods

Versatile

- ✓ Anaerobic, CO₂ or micro-aerophilic atmospheres
- ✓ Wide application range
- ✓ Takes the place of several 'specialist' incubators

Convenient

- ✓ Small footprint
- ✓ Easy-to-use
- ✓ Low maintenance

High performance

- ✓ Improves isolation rates and colony size
- ✓ Optimised conditions for even the most fastidious organisms

Typical applications

- ✓ Bacteriological culture in anaerobic, CO₂ or micro-aerophilic atmospheres
- ✓ Determination of sensitivity/resistance of bacteria using disc diffusion test
- ✓ Determination of sensitivity/resistance of bacteria using a standard dilution
- ✓ micromethod (STD)
- ✓ Incubation of identification tests in a defined atmosphere.

MAS is not an anaerobic cabinet, gas-jar or dedicated CO₂ incubator but a specialised instrument which can provide a range of different atmospheric conditions quickly and efficiently.



Simple steps to success

Close the lid to automatically start the evacuation cycle



The pre-defined amount of gas or gas mixture enters the chamber and application bags



The bag will automatically be sealed by the heat sealer



Transfer your application bag to your standard aerobic incubator

