



Media Preparation

Masterclave 09 Media Preparator



The Masterclave 09 is a simple and easy to operate media preparator with the facility to link to plate pouring devices and gravimetric diluters. The Masterclave 09 offers you the flexibility required for hands-free preparation of a wide range of agars and fluid media.

Up to 9 litres of high quality media can be produced easily and quickly thanks to the microprocessor-controlled heating elements, coil cooling system and powerful stirring mechanism.

1-9 litres of media in around 60 minutes

Cycle parameters can be stored and recalled quickly to save time

Keypad and LCD provides step by step instructions

1, 2 and multiple sterilisation stage cycles for complete flexibility

Microprocessor controlled parameters for high quality, consistent and reproducible media

Powerful stirring blade for bubble free media

Accepts up to 40 customised programmes

Complete cycle traceability

Sterilisation temperature 95-125°C

Dispensing temperature 30-80°C

System Features

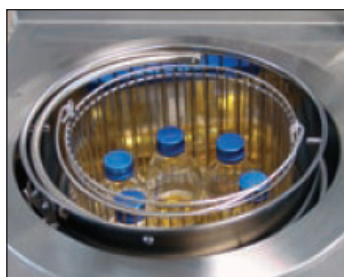


Masterclave 09 can prepare between one and nine litres of media within a 60 minute sterilisation cycle. Laboratories producing smaller volumes of a variety of media benefit from this rapid cycle time.

The unit can be used to prepare broth as well as agar products – at full capacity the Masterclave 09 can produce:

100 x 90ml dilution broths

530 x 17ml agar plates



The lightweight inner vessel is easy to remove and makes cleaning a simple task.

Media prepared in the Masterclave 09 is of exceptional quality. Heating is microprocessor controlled and accurate to within $\pm 1^{\circ}\text{C}$, eliminating any danger of overheating. Accurate core temperature monitoring guarantees high quality agar and broth even when the preparator is filled to capacity.

During the production cycle the media is agitated constantly by the large magnetic stirrer in the base of the inner vessel ensuring thorough homogenisation throughout the entire process.



APS 320

The Masterclave 09 allows full traceability of all functions. When the optional integral chart recorder is fitted, operator name, programme number, date, time and a cycle trace can be printed out. A PC can be linked to the unit to enable fast storage of this information.

Lab Processes Made Simple

The Masterclave 09 can serve as an integral part of your media production process when linked to the APS 320 pourer/stacker. This provides a true walk-away system for the preparation of agar plates. For those labs needing to dilute samples prior to homogenisation, the Masterclave 09 can be connected to the Dilumat 4.



Dilumat 4

Durable and safe

Closing the pneumatically assisted lid is simple. A new locking system closes the safety cover automatically when the temperature is above 80°C and incorporates a maintenance-free magnetic sensor.

Together with the stainless steel top plate, this adds greatly to the safe operation of the instrument. The painted steel cover and tinted viewing panel combine a high degree of durability with visibility of the interior.

All pressure vessel components conform to all relevant safety requirements and the entire unit complies with 97/23/CEE – 89/336/CEE – 73/23/CEE. The Masterclave 09 is both CE and ASME compliant.



UKAS

Don Whitley Scientific Limited offers a full range of calibration validation services for autoclaves and media preparators.

The Masterclave 09 media preparator can also be used as an autoclave to sterilise instruments and waste material. An autoclave basket is available as an accessory.



Standard Features

Has a capacity of 9 litres and 40 free programmes that can be customised to specific needs, for all types of agar and culture solutions
Inner vessel – lightweight and easy to remove
New lid-opening device – the hinged cover can be easily removed, using only one hand
Pressure and temperature safety devices
Temperature accuracy of $\pm 1^{\circ}\text{C}$

Options

M00024 Chart Recorder
M10238 Trolley
M10239 Quick release connector (pack of 2)

Accessories

M10083 Decompression filter
M10162 Water filter
M10080 Chart recorder paper
M10159 Bucket clips (pair)
M10214 Autoclave basket
M10094 Priming Tube and Connector for media dispensing
M30024 Complete Tubing set (complete with connectors necessary for the pourer stacker)
M30026 Tubing Set only (no connectors supplied)
M30035 Silicone tubing (per metre)
M10079 Ink ribbon
M10037 Tie wraps (pack of 10)

Specification

Order Code: M00050
Instrument Size : 500mm x 435mm x 590mm (w x d x h)
Instrument Weight: 60kg
Power supply: 230+/- 10% V AC - single phase
Microprocessor controlled
Heating capacity: 3000 watts
Sterilisation temperature: 95-125°C
Dispensing temperature: 30-80°C
Water pressure: 1.2-1.5 bars (max 1.7)

In the interests of a policy of continuous product improvement the company reserves the right to alter product specifications without prior notice. All rights reserved.
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