



Masterclave®

Automated Culture Media Preparators



30 Years of Experience!

Drawing upon over 30 years' experience in the manufacturing of media preparators, the Masterclave series is unsurpassed in ease-of-use.

- For all culture media, agar or broth
- Large magnetic stirrer for perfect homogeneity
- Core temperature monitoring
- Accurate temperature regulation
- Fast cycle
- Alphanumeric display and keyboard
- Sterilization temperature: 95 to 125 °C
- Sterilization period: 1 to 60 minutes
- Dispensing temperature: 25 to 80 °C
- Compliance with GLP
- Safety valve
- Cover locking mechanism at 80 °C
- 40 customized programs

Ease-of-use

- Easy opening, easy closing and easy cleaning!

Maximum Safety

- No more handling of glass bottles
- Special media preparation at all times

Profitability

- Lowest production cost
- Production adapted to needs
- Reduction in space requirements
- Simplified stock management

Quality

- Sterilization and dispensing at the right temperature guaranteed
- Standardized production
- GLP manual
- Produces high quality media every time

Masterclave® 09

- Capacity 1 to 9 liters
- Sterility, Fertility, Reproducibility, Safety

State-of-the-art technology lets you automatically and rapidly prepare 1 to 9 liters of the highest-quality culture media. New large magnetic stirrer (patented) provides excellent medium homogenization during sterilization and distribution.

Accurate core temperature monitoring guarantees highest-quality agar or broth even for large-prepared volumes. New robust and lift-assisted safety cover has automatic closing above 80 °C and maintenance free magnetic sensor. Polycarbonate transparent window.



New lift assisted safety cover



Optional transport trolley



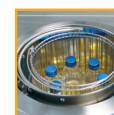
Patented large magnetic stirrer



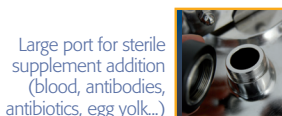
Light weight inner vessel



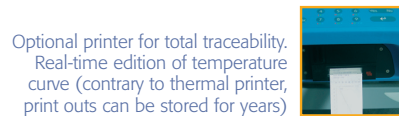
Easy-opening and easy-closing lid. Long life gasket



Can be used as a sophisticated 12 L - autoclave



Large port for sterile supplement addition (blood, antibodies, antibiotics, egg yolk...)



Optional printer for total traceability. Real-time edition of temperature curve (contrary to thermal printer, print outs can be stored for years)

Masterclave® 528

- Capacity 5 to 28 liters
- Ideal for Broth or Agar
- Mobile



Graphic interface



Easy-to open lid



Easy to clean

Easy-to-open and easy-to-close lid. Long Life gasket, transparent polycarbonate window. Easy to clean: No removable inner vessel, draining valve features a safety lock. Distribution connector with flexible stainless steel nozzle mounted in the lid. High Quality Culture Media: large, removable magnetic stirrer (patented) provides excellent medium homogenization during sterilization and accurate core temperature control. Three stirring speeds for distribution. Graphical user interface enables clear information and stores up to 30 fully customizable programs. Two control LEDs and audible signals inform the operator about the cycle status, and easily connect a PC and a barcode reader (optional). Optional printer for total traceability and real-time temperature curve edition (short reports available if needed). Choose between FAST or ECO mode to save time or water! Self-diagnostic for critical components ensures maximal media quality and safety.

High Efficiency: Complete cycle in 75 min (FAST mode) or 85 min (ECO mode).



Masterclave® 60

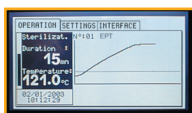
MASTERCLAVE 60

- **Capacity 10 to 60 liters**
- **Preparation of 60 liters of Media Within 90 min**
- **Mobile**
- **Convenient:**
 - Assisted lid opening/closing
 - Inner vessel has no dead volume and drains all contents
 - Easy-cleaning without removing the inner vessel
 - Stainless steel safety cover with window
- **High power & full safety:**
 - Preparation of 60 liters of media within 90 min
 - Water cooling
 - CE and ASME compliant
- **Exceptional preparation quality:**
 - High accuracy regulation better than 1°C, without risk of media overheating
 - Large removable magnetic stirrer, guaranteed homogeneity
 - Pharmaceutical grade dispensing valve
- **Full traceability**
 - Ticket printer: cycle parameters edition (operator name, batch, program name, date, time, cycle graph)
 - Option: remote temperature monitoring (Labguard® monitoring system)

Easy-to
open lid



Graphic
interface



Broth Preparation

- Up to 260 dilutions of 225 ml in one cycle
- Ideal for use with a gravimetric diluter (Dilumat™)
- Right temperature dispensing: ideal for Salmonella (dilution with buffered peptone water at 37 °C) and Listeria (Half Fraser, 30 °C)
- Calibrated temperature probe



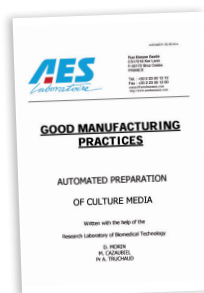
Agar Preparation

- Up to 3,500 plates (17 ml) in the same batch!
- High quality prepared media
- Superior quality (sterility and fertility)
- Standardized and cost-effective production
- One batch = One control
- Full traceability



GMP: Good Manufacturing Practices in Culture Media Preparation

As specialists in culture media manufacturing, bioMérieux help you in your daily media preparation. The "good manufacturing practices" manual is an invaluable guide for using, cleaning and maintenance of tasks and describes all Quality Assurance aspects of culture media preparation and testing. It contains all Quality Assurance documents and forms needed for superior production and Quality Assurance.



Installation, calibration, maintenance contracts IQ, OQ, PQ Qualification, Hot-line, Service

Support and service are available worldwide, directly from us or through our network of authorized partners. A complete range of calibration equipment and services is available.



EXPERIENCE: THERE IS NO SUBSTITUTE!

Get More from your Culture Media Preparator!



Manufacture High Quality Plates with
APS One Automated Pourer Stacker
Capacity 560 Plates 90mm or 55mm

Automate The Sample Preparation by
Connecting an Automated Dilumat[™]
Gravimetric Diluter

Automatically fill up to 500
Tubes or Bottles with XY500
Robotic Module and PM i[™]
Precision Peristaltic Dispenser

Specifications & Ordering Information

Masterclave[®] 09

Up to 40 programs: simple cycle, 2-step cycle,
special cycle

Addition of supplements

Media preparation capacity 1 to 9 liters

Sterilization temperature: 25-125 °C

Sterilization duration: 1 to 60 min

Dispensing temperature: 25-80 °C

Autoclave or water bath volume: 12 liters

Accurate temperature control

Microprocessor-based regulation, accuracy +/- 0.5 °C

Heating power: 3000 W

Power supply: 230 V +/- 10 V - 50/60 Hz, 16A

W x H x D: 500 x 435 x 590 mm / 60 kg
20" x 17" x 23" / 133 lb

Ordering Information

AESAP1080 Masterclave[®] 09 Culture Media Preparator

AESAT2000 Ticket printer for total Traceability

AESAP0619 Quick water Connection Kit (2 pcs)

AESAT096 Trolley

Masterclave[®] 528

Up to 30 programs: simple cycle, 2-step cycle,
special cycle

Addition of supplements

Media preparation capacity 5 to 28 liters

Sterilization temperature: 95-125 °C

Sterilization duration: 1 to 99 min

Distribution temperature: 25-80 °C

Accurate temperature control

Microprocessor-based regulation, accuracy +/- 0.5 °C

Safety cover locks above 80 °C

Power supply: 400 V +/- 10% three-phase + neutral, 16A
(or 230 V +/- 10%, 10 A three-phase w/o
neutral, 20 A), 8 KW

W x H x D: 760 x 1100 x 580 mm / 91 kg
30" x 43" x 23" / 200 lb

Ordering Information

418614 Masterclave[®] 528 Culture Media Preparator

418613 Masterclave[®] 528 with 24h Stirrer Motor

AESAT2000 Ticket printer for total traceability

AESAP0619 Quick water connection kit (2 pcs)

AESMB0016 Priming nozzle

AESAP2171 Twin sampling nozzle to connect two
systems (Dilumat[™] or APS One)

AESAP2126 Power supply adapter from 380V to 220V
(only for dispensing phase)

AESMC0008 Additional temperature probe

Masterclave[®] 60

Up to 30 programs: simple cycle, 2-step cycle,
special cycle

Addition of supplements

Media preparation capacity 10 to 60 liters

Sterilization temperature: 95-125 °C

Distribution temperature: 25-79 °C

Temperature compensation for high volume

Accurate temperature control

Microprocessor-based regulation, accuracy +/- 0.5 °C

Safety cover locks above 80 °C, electronically controlled lid
& safety cover closing

Power supply: 400 V +/- 10% three-phase + neutral +
ground, 32 A, 18 KW or 230 V +/- 10%, three-phase +
ground, 32 A

W x H x D: 1030 x 1250 x 700 mm / 170 kg
41" x 50" x 28" / 375 lb

Ordering Information

AESAP1067 Masterclave[®] 60 Culture Media Preparator

ESAP0619 Quick water connection kit (2 pcs)

AESMC0130 Adapter 220 V (mono) - 380 V

AESMC0008 Temperature probe

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