



APS ONE

The only one. All in one.

PIONEERING DIAGNOSTICS



- **Level Plates**
- **Homogeneity**
- **Sterility**

The new patented filling and distribution system ensures maximum reliability and quality, level plate production, even for low volume plates.

(90 or 55 mm plates)

Integrated plate cooling system reduces the solidification time as well as condensation.

To avoid contamination, the patented filling system closes the plate immediately after filling under UV light.

For 90 mm or 55 mm plates

You can easily fit the optional 55 mm plate filling kit within 3 min.

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STATE-OF-THE-ART TECHNOLOGY

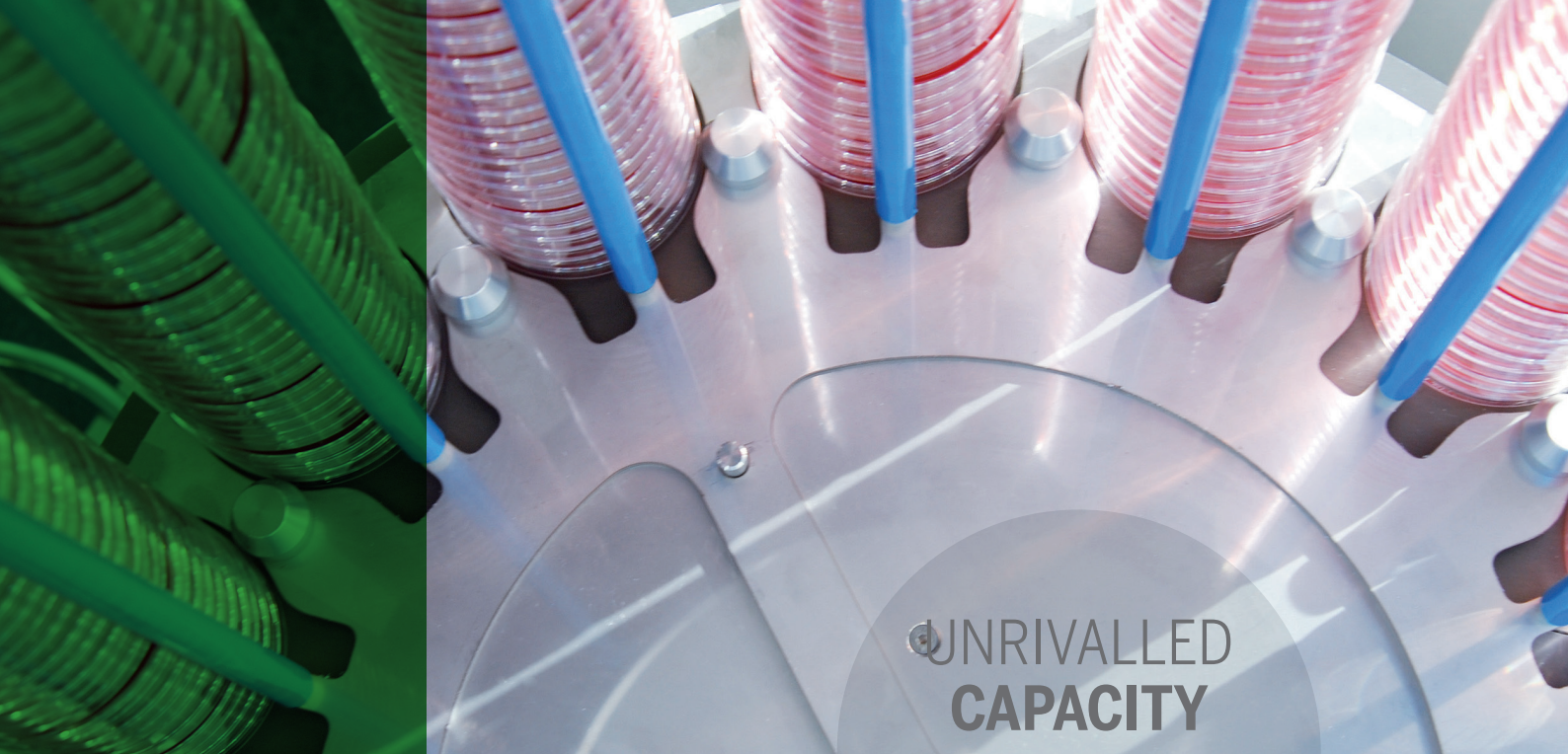
Reduce costs! Perfect plate quality, even for low agar filling volume.

Produce high quality blood or chocolate agar (optional in-line blood addition pump kit available).

A NEW
STANDARD
OF PETRI DISHES
QUALITY

NEW CONCEPT **PATENTED**





UNRIVALLED
CAPACITY

560 OR 800
PLATES!

THE NEW GENERATION TECHNOLOGY

- **Capacity 10 Litres of Agar**

The carousel can hold 560 plates as standard, i. e. more than 10 litres of Agar can be poured without reloading the carousel (18ml/plate).

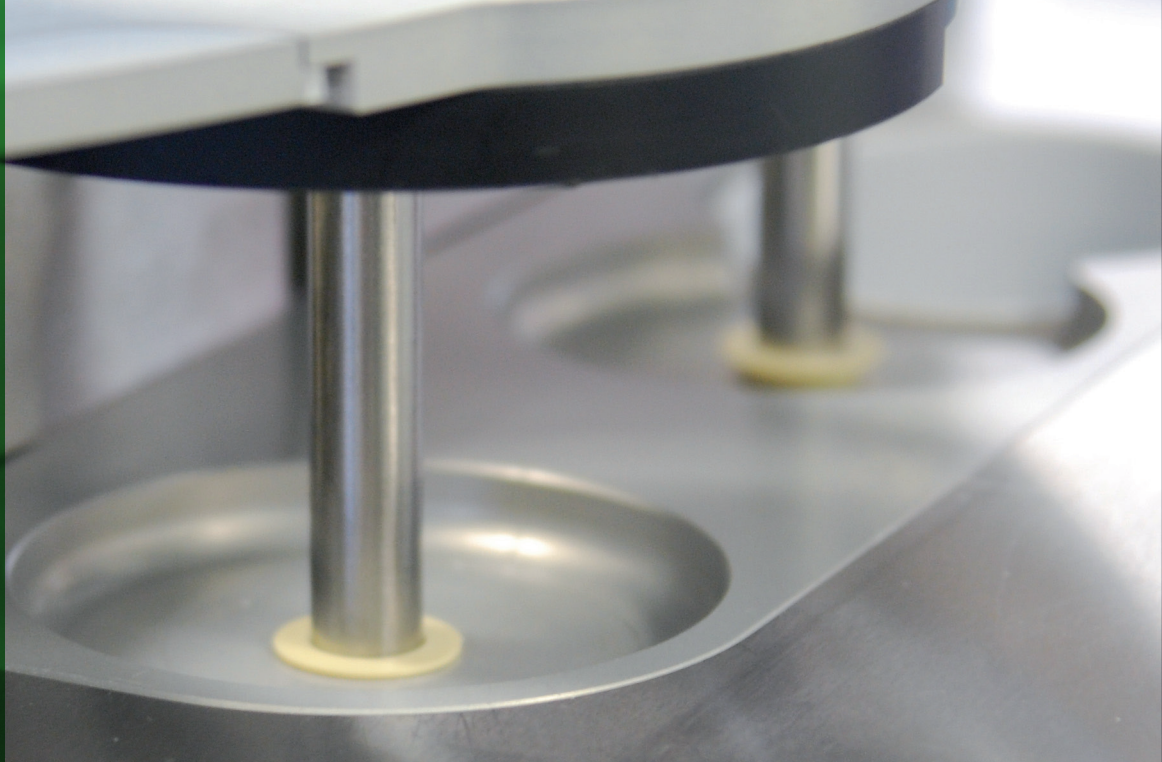
APS One is a true walk-away high-throughput automation system.

FAST FILLING RATE

- **Need High Productivity?**

The optional TURBO Kit enhances the filling rate while keeping the outstanding plate pouring quality. The twin pump head kit can be mounted in seconds without any tools.





Efficient Cleaning made EASY

Access to the work surface by just taking off the shuttle and cover (no tool required).

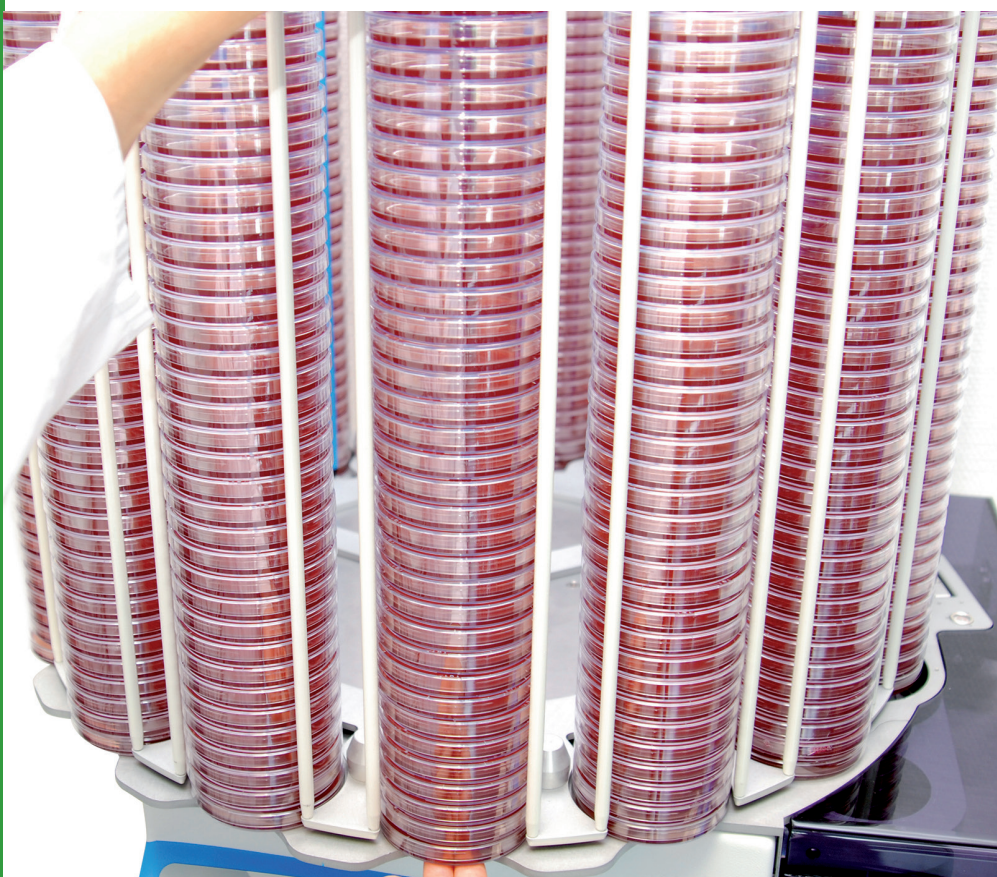
A special cleaning program mode let you pilot the pistons in a total secure way.

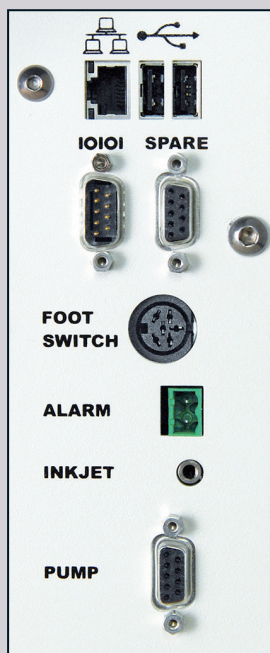
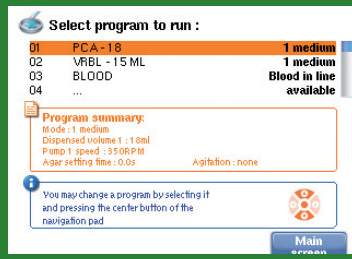
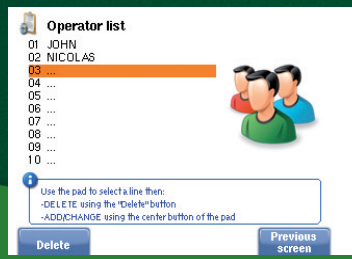
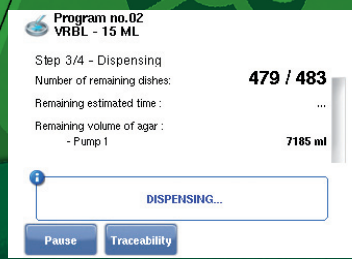
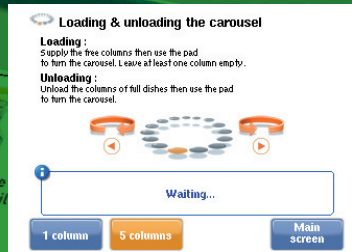
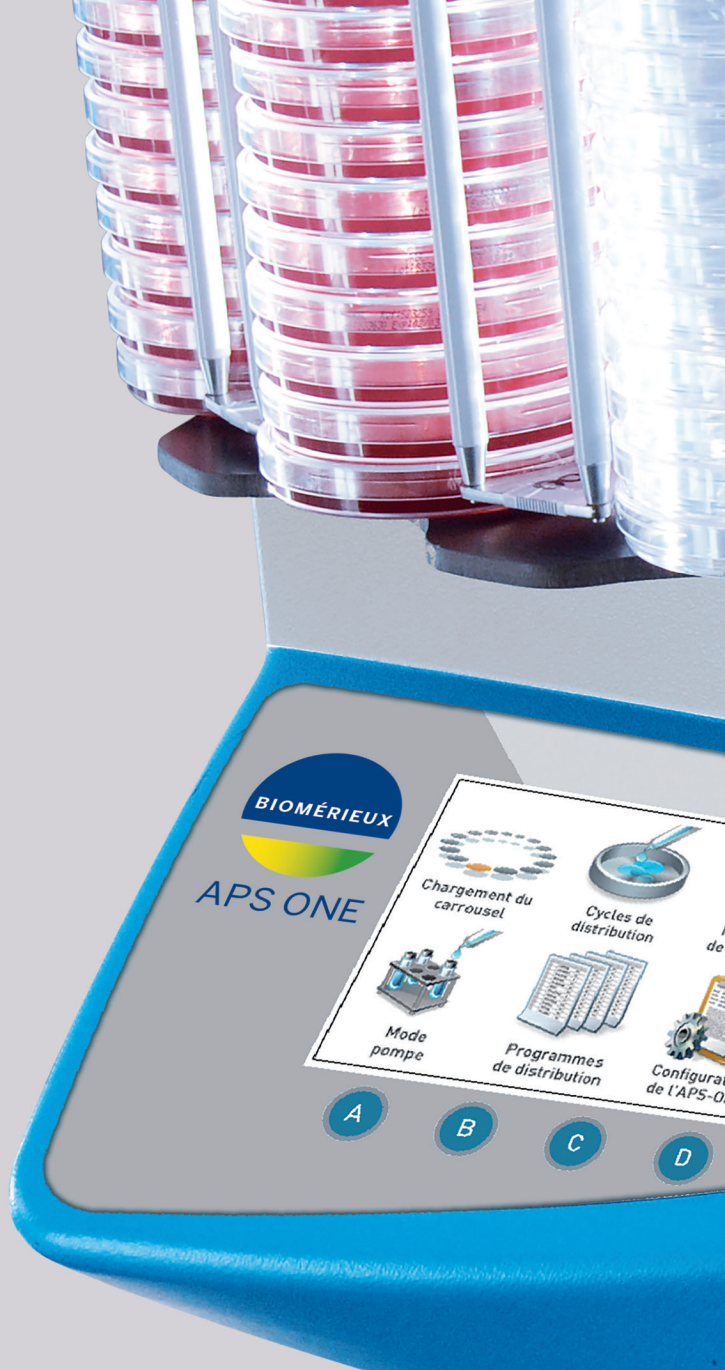
EASE-OF-USE IN SMALLEST DETAILS

Due to its compact size, APS One is very easy for all technicians to load. Loading is rapid; carousel can turn in both directions, column by column or five columns by five columns.

The large, color display screen is pictogram-led and very simple to follow.

The in-line pump priming feature saves time and limits contamination.





PICTOGRAM-LED DISPLAY!

- Large, color display screen is pictogram-led and is very simple to follow.
- PC-based interface can be driven through the integrated keypad or with external mouse.
- Total traceability and documentation.
- Storage capacity for 20 different programs.
- Ethernet and USB port. Direct external printer connection.



FLEXIBILITY

APS One lets you change the 55 mm plate carousel to the 90 mm plate carousel in less than three minutes!

APS ONE

COMPACT AND VERSATILE

The patented Agar dispensing system has advantages such as:

- Reduced plate opening time **to limit contamination risk**
- Extreme compact size for its capacity, APS One is only 89 cm tall!
- Dimensions 89 cm H x 72 cm W x 64 cm D

A - APS ONE **can use most plastic plate brands**. An optional kit allows you use your APS One to fill 55 mm plates.

B - The optional ink jet printer ensures total traceability on the side of the bottom of the plate and lets you print useful information on 90 mm as well as 55 mm plates.

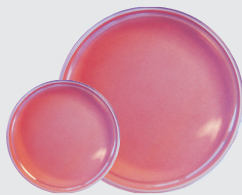
C - The ingenious ink jet printer mounting saves place on the bench.

D - Quality bi-plates can also be produced with the optional kit.



APS ONE with 560
55 mm plate carousel

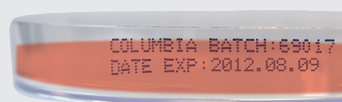
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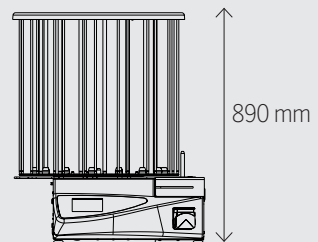
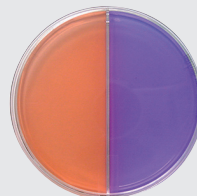
C



B



D



APS ONE with 560 plate carousel
(55 mm or 90 mm)

Committed to Customer Satisfaction

From Design

At bioMérieux, quality goes beyond product specifications to defining the policies and objectives which shape our company. Each process and procedure is clearly defined, from design to production and logistics. Exceeding customer expectations and continuous improvement are at the core of our objectives. Thus, the Company's Quality Assurance system is ISO 9001: 2000 certified. Each APS One has an IP address and an Ethernet interface enabling remote software updates.

Before...

Profit from our experience in the industrial production of ready-to-use culture media to optimize your own poured media preparation. Our teams study your needs to propose the best production solutions.

...And After Installation

Achieve production under Quality Assurance (guidance and training available), Installation & maintenance, on-site follow up, assistance and training of your technicians.

Specifications

Capacity: 560 plates - 800 plates (option)

Plates/hour: 90 mm

Volume	12 ml	14 ml	18 ml
Standard	780	700	650
Turbo mode		900	850

Plates/hour: 55 mm

Volume	9 ml
Standard	800

Dispensing volume: 1 to 50 ml

Plates cooling system: standard (integrated)

Peristaltic pump: easy loading type

Multilingual graphic screen: English, Spanish, German, Italian and French pre-installed, all other languages can be imported by the user

20 programs can be stored in internal memory

Integrated keypad or **USB mouse driven** (order mouse separately)

Traceability recordings on USB key (order key separately)

Ethernet port

UV lamp with user protection (plexiglas cover)

Detection of faulty plates

Pump dispensing mode to fill tubes or flasks...

Connection for external pump (PM05)

Dimensions: H 890 x W 720 x D 640 mm

Weight: 60 kg

Packing : H 385 x W 808 x D 1795

and H 690 x W 760 x D 760 mm/ 70 kg / 2 boxes

Power: 115-230 V +/- 10% 50/60 Hz

Ordering Information

AESAP1085

APS One Automated Pourer Stacker fitted for 90 mm plates, comes with:

- 560 plate carousel
- 2 shuttles for plates lids 91-92 mm and 92-93 mm
- User manual, control certificate and warranty certificate
- Power connection cable type CE22 / european plug
- 2 tubing kits for 90 mm plates (AESMN8530)
- 1 tubing kit for tubes and flasks (AESPM0029)
- 4 priming plastic cups (included in AESMN8054)

Kits and options for AESAP1085

AESMN8501

Option for 55 mm plates (to be ordered with AESAP1085)

AESMN8500

Kit for 55 mm plates (for separate delivery, requires APS One adjustment by field service engineer)

AESPP0046

TURBO kit (850 plates per hour at 18 ml/plate)

AESMN8533

Tubing set for TURBO kit

AESMN8508B

Kit for bi-plate production

AESMN8530

90 mm plate tubing set (w/o priming nozzle)

AESMN8507

Kit for high plates (17.5 to 24 mm)

AESAP1086

APS One Automated Pourer Stacker fitted for 55 mm plates, like AESAP1085 but comes complete with a shuttle for 55 mm plates

Kits and option for AESAP1086

AESMN8502

Kit for 90 mm plates (may require APS One adjustment)

AESAP1086

55 mm plate tubing set (w/o priming nozzle)

Kits and options for AESAP1085 and AESAP1086

AESMN8509

Mounting kit for inkjet printer Linx 4900 (Kits for Domino A100 printers upon request)

AESLM0029

External printer for APS One

AESLM0037

Labels for printer

AESMA108509

IQ/OQ file



EXPERIENCE: THERE IS NO SUBSTITUTE!

Our Automated Systems Are Designed, Tested and Validated in an Industrial Petri Dish Manufacturing Environment. This Means that by purchasing our Equipment, you are benefiting from Invaluable Industrial And Laboratory Experience.



MASTERCLAVE® CULTURE MEDIA PREPARATORS



BLUE LINE™

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BIOMÉRIEUX

MASTERCLAVE®

Efficient Broth and Media Preparation



Your Trusted Partner in Augmented Diagnostics

PIONEERING DIAGNOSTICS

YOUR LAB DESERVES THE BRAND CHOSEN BY CULTURE MEDIA MANUFACTURERS

Peace of mind: Quality becomes the Standard



ISO 11133, ISO7218 and GMP compliant

Controlled sterilization and dispensing:

- Consistent maintenance of temperature throughout the dispensing process to prevent condensation on the plates and optimize the incubation of bags

- Environmental monitoring: additional media temperature probe

- New stirrer design: media and temperature homogeneity (+/- 0.5°C)

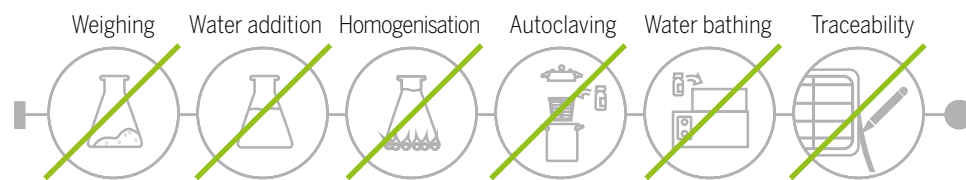
- Filter directly mounted on a non-return valve on the lid: no contamination risk



Enhance your productivity!

Save operator time:

Eliminate manual steps with automated preparation



Ready when your lab operations begin: Your culture media available anytime!

- Autostart feature for MASTERCLAVE® 20 and MASTERCLAVE® 60: Automatic water filling with delayed start for broth preparation

Consistent performance with pressurised distribution

- Ensure high-quality plates throughout the entire dispensing cycle
- Connect multiple DILUMAT® units and maintain consistent dilution performance

MASTERCLAVE® 60 EVO
20 TO 60 L



MASTERCLAVE® 10
1 TO 10 L

MASTERCLAVE® 20
1 TO 20 L

Fully automated traceability

« I-CONNECT » TECHNOLOGY

Improve efficiency and data safety

CONNECTION to CONNECT-UP or LIMS

Machine to machine communication



CONNECT EQUIPMENT



DILUMAT®

PMI™

EPUMP

FULL TRACEABILITY

VOLUME FUNCTION

- Monitoring & displays remaining volume
- Traceability information directly sent to the dispensing device

CONNECT PEOPLE



INTUITIVE INTERFACE



EMAILS ALERTS



EMBEDDED HELP FUNCTION



MASTERCLAVE®: approved by culture media manufacturers for more than 40 years

EASY & FLEXIBLE

Adapted to your lab workspace requirements: under-bench use and mobility kit, your culture media available everywhere

Easy and safe operation
Patented lid

Flat lid design and optional integrated cleaning gun

The first autopreparator with embedded dispensing e-pump connection

The solution for every lab:

Customize the production process to accommodate your specific needs, allowing for agar and broth preparation ranging from 1 to 60L.





CULTURE MEDIA PREPARATION

a fully automated process for



Enrichment bags

Sample diluter DILUMAT®



55 and 90 mm plates

Blood agar plates with in-line blood addition

Bi-plates

Automated Plates Filling APS ONE™



Tubes, bottles and plates

Precision dispensers - PMI™ and EPUMP



Culture Media Precision Filling

THE MICROBIOLOGY LAB DISPENSING SOLUTION



PM i™

Manual filling of tubes, bottles and plates



PM i™ + XY500

Automated filling of tubes and bottles



STANDARDISE your dispensing

- Accuracy & repeatability compliant with ISO 7218, ISO 6887-1 & ISO 16189 ••
- Dispense 9ml, 18ml, 90ml and 225ml with 1% accuracy ••
- Dispense larger doses of agar, broth or diluent up to 20L with 2% accuracy ••

PM i™ Microbiology Dispenser

XY500 Automatic Arm Module

BOOST your productivity

- Flow rate up to 1.6l/min with 2% accuracy
- High-performance tubing sets with long life expectancy
- Minimum handling:
 - Automatic traceability
 - Foot switch included
 - Fast and easy calibration
 - Store up to 50 programs
 - Full automated multidose mode

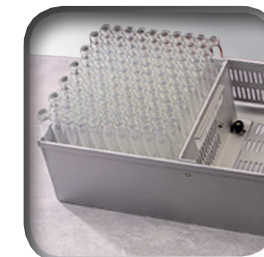
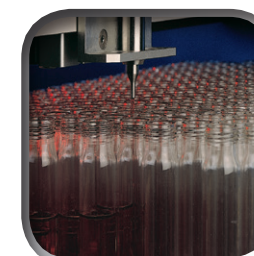
Experience total EASE OF USE

- Compact footprint
- Easy to handle, easy loading of the tubing
- Colour changing LEDs inform user of system status
- Intuitive interface with large touch screen
- Help function (one click access)

EVOLVE with your needs

- 4 diameters of ready to use tubing sets (ID 1.6 to 6.4mm)
- Adjustable speed up to 600 rpm
- Compatible with Masterclave® to prepare culture media and pour Petri dishes
- Customizable labels

Fill up to 504 tubes per cycle (with XY500)



Easy loading of racks



Manual filling of bottles & tubes



Easily pour Petri dishes



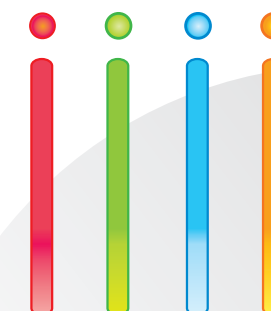
Customizable label



Easy loading



RFID user identification



Improve your Lab Workflow with PM i and XY500

Automatically prepare up to 9, 28 or 60 litres of broth or agar media with Masterclave® media preparators

MASTERCLAVE® 09



MASTERCLAVE® 528



MASTERCLAVE® 60



Automatically pour up to 560 plates per cycle with APS One

APS One
The only one tall in one!



Specifications & ordering information



PM i™ High-precision Peristaltic Dispenser

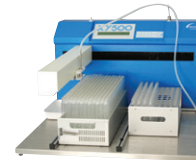
- Dose Volume Range: Min : 1mL ; Max >20L
- Accuracy: 0.1ml for 9ml
0.2ml for 18ml
<2% over the full range
- Distribution mode: Dose - Multi-dose
- Adjustable speeds: 3 + 1 free selectable
- Tubing ID mm: 1.6 3.2 4.8 - 6.4
- Traceability: Dose, media name, user, date, batch
- Connectivity: Bidirectional (LIMS)
- Traceability data export: Printer, USB key or FTP server
- Data format: XML, CSV, JSON
- Communication: Ethernet, USB, WIFI
- Program management: Volume, cycle, speed, number of doses delay between each dose
- Language: Fr, En, DE, Sp, IT, PO
- Dimensions (W x H x Dmm): 334 x 115 x 120
- Weight: 4.4kg

Ordering information

- Peristaltic precision media dispenser PM i 4702831
includes 1 tubing set 3.2mm with nozzles and foot switch

Accessories

- Tubing set 1.6mm with nozzles (autoclavable) 415230
- Tubing set 3.2mm with nozzles (autoclavable) 415231
- Tubing set 4.8mm with nozzles (autoclavable) 415232
- Tubing set 6.4mm with nozzles (autoclavable) 415233
- 1 D barcode reader (USB) AESLM0004D
- 2 D barcode reader (Datamatrix, QR code and 1 D) 415182
- USB ticket printer 415187
- WIFI wireless key 415184



XY500 Robotic Module

- Tray dimensions (W x D x H): 710 x 500 x 20mm
- Positioning repeatability: > 99%
- Interface for PM i connection: RS232
- Overall dimensions (W x D x H): 710 x 650 x 450mm
- Language: English, French
- Weight: 25kg
- Power: 115 or 230V
(to be specified on your purchase order) 50/60Hz

Ordering Information

- XY500 Robotic module AESAP1035
includes one adjustable rack for 252 Ø 18 mm tubes, one waste tray and 2 dispensing tips.
- PM i - XY500 Connection cable 415239
- Loading stand AESXY0071

Accessories

- 96 tube rack (Ø 18mm) AESXY0072
- 96 tube rack (Ø 16mm) AESXY0073
- 96 tube rack Ø 14mm) AESXY0074
- 96 tube rack (Ø 20mm) AESXY0075

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