



E-catalogue 2015 Biopharma & Cosmetics

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EFFICIENT MICROBIOLOGY

MEDIA PREPARATION AND FILLING





MASTERCLAVE®

Automated Culture Media Preparators

Drawing upon over 30 years' experience in the manufacturing of culture media preparators, AES CHEMUNEX (a bioMérieux company) has probably developed the most reliable automated media preparation equipment range.

Masterclave®09

- Capacity: 1 to 9 litres
- High quality and fertility of culture media (agar or broth)
- High efficiency stirring and core temperature probe traceable to national standards
- Safety of use

Ideal for fragile media (blood agars...). Accurate core temperature regulation combined with large magnetic stirrer to ensure highest Quality media preparation. Cover locking mechanism above 80 °C. Storing of cycle parameters.

Masterclave 528

- Capacity: 5 to 28 litres
- Extra-large magnetic stirrer
- Easy opening/closing
- New robust and lift-assisted safety cover with maintenance free magnetic sensor
- Graphic user interface

The Masterclave 528 has been especially designed to suit small to middle laboratory needs: mobility, agar or broth preparation.

- Large magnetic stirrer (patented) provides excellent medium homogenization during sterilization and distribution. 3 selectable stirring speeds
- Accurate core temperature monitoring guarantees highest-quality agar or broth even for large-prepared volumes.
- Robust and lift-assisted safety cover has automatic closing above 80°C and maintenance free magnetic sensor. Polycarbonate transparent window.
- New FAST and ECO operating modes let you save time or reduce the cooling water consumption
- Graphic display provides clear information - 40 customizable programmes - RS232 port for PC-connection
- Bar Code port - Compatible with Labguard 2 radio-operated temperature monitoring system.
- Optional printer provides total traceability
- Easy opening and easy closing lid
- Easy-to-clean thanks special cleaning valve
- Can be used as high-tech autoclave

Masterclave 60

- Capacity of 20 to 60 litres, i.e. 3500 Petri dishes or 260 dilutions
- Rapid: 1 h 30 for 60 litres
- High quality media preparation
- For all types of culture media, agar or broth
- Accurate temperature control
- Inner vessel has no dead volume, and drains all contents

Quality assurance

Paper or IT traceability (ticket printer). Alphanumeric keyboard for simple programming. Programs customised to specific needs. GLP, FDA and ISO compliant

Convenient

Easy lid opening/closing. Articulated arm, hydraulic assistance. Easy cleaning: total vessel washing, removable magnetic driven stirrer. User-friendly interface

MASTERCLAVE 09	REF.
Masterclave 09 Culture Media Preparator	AESAP1080
Quick water Connection Kit (2 pcs)	AESAP0619
Ticket printer for total Traceability	AESAT2000
Trolley	AESAT096

MASTERCLAVE 528	REF.
Masterclave 528 Culture Media Preparator	AESAP1081
Additional temperature probe	AESMC0008
Power supply adapter from 380 V to 220 V only for dispensing phase	AESAP2126
Priming nozzle	AESMB0016
Quick water connection kit (2 pcs)	AESAP0619

Ticket printer for total Traceability	AESAT2000
Twin sampling nozzle to connect two Dilumat™ or APS One	AESAP2171

MASTERCLAVE 60	REF.
Masterclave 60 Culture Media Preparator	AESAP1067
adapter 220 V (mono) – 380 V	AESMC0130
Quick water connection kit (2 pcs)	ESAP0619
Temperature probe2	AESMC0008



APS ONE Culture Media Filling System for Petri dishes

A new standard in Petri dish Quality
Standard capacity: 540 plates (10 litres of Agar)
Optional capacity: 800 plates (14 litres of Agar)

- **Compact and easy-to-use**

High capacity carousel, Loading the columns of the carousel is simple as the nominal height facilitates easy stacking. Extreme compact size for its capacity.
Ingenious ink jet printer mounting saves place on the bench.

- **Performance**

2 carousels available: 540 plates and 800 plates.
The patented shuttle ensures a high degree of reliability and quality.
Integrated plate cooling system.

- **High quality sterile plates**

The system provides high-quality, sterile plates, minimising the risk of contamination with the machine's easy-to-clean, smooth surfaces.
The risk of contamination of sterile distributed media is reduced as the opening of each plate is limited to 4 s per Petri dish when pouring.
Its pouring quality allows smooth, level media in the Petri dishes without any wave effect.

- **Communication & traceability**

Pictogram-led display very simple to follow.
Ethernet and USB port.

INSTRUMENTS	REF.
APS One Automated Pourer Stacker fitted for Ø 55-60 mm plates	AESAP1086
APS One Automated Pourer Stacker fitted for Ø 90 mm plates	AESAP1085

ACCESSORIES	REF.
800 plate carousel	AESMN8503
Dispensing nozzle for tall plates	AESMN8507
External printer for APS One	AESLM0029
Kit for bi-plates production	AESMN8508
Kit for Ø 55-60 mm plates	AESMN8500
Mounting kit for inkjet printer Lynx 4900 Kits for Imaje 9020 and Domino A100 printers upon request	AESMN8509
priming plastic cups	AESMN8054
tubing kit for tubes and flasks	AESPM0029
tubing kits for Ø 90mm plates	AESMN8530
TURBO kit 850 plates per hour at 18ml/plate	AESPP0046



PM05 – XY500

This automated filling system represents a cost-effective solution by replacing manual operations with equipment for rapid and accurate filling. Consisting of a high precision dispenser PM05 and a highly repeatable robotic module XY500, it ensures the automated filling of tubes, bottles, impedance cells, etc. for greatly enhanced laboratory productivity.

PM05 peristaltic dispenser

For the automated dispensing of :

- broth,
- agar in plates
- tubes or flasks.

The PM05 peristaltic pump automatically dispenses volumes from 1 ml to 500 ml with a high degree of accuracy. It has an alpha numeric keyboard which, when combined with a printer, allows full integration within GLP- compliant laboratories.

● User-friendly

Easy to program using the menu-driven keypad. Up to 20 programs can be stored in the memory. Easy to load tubing makes the operation quick and easy. Compact and easy to handle.

● Traceability

A print-out of all dispensing parameters (batch number, user code, dispensed volume...) complies with GLP (optional printer).

● Repeatable

Precision of ± 0.1 ml for doses up to 20 ml. Automatic calibration. Calibration data can be individually saved in each program. Anti-drip feature. Ideal for 9 ml dilution tubes for food analysis and water laboratories which care about volume precision.

● Performance

Manual or automatic operation : enter the quantity of doses to be dispensed and the interval delay time. A stand-by mode keeps the culture media recirculated, thus keeping the media in suspension at the dispensing temperature. Foot switch connection for an optimal performance adapted to the operator.

PM05 PERISTALTIC DISPENSER	REF.
Pump PM05 Includes a foot switch and a complete set of tubing.	AESAP1053
Printer	AESDI0042A

XY500 ROBOTIC MODULE	REF.
XY500 Robotic module includes one adjustable rack for 252 Ø 18 mm tubes, one waste tray and 2 dispensing tips.	AESAP1035
96 tube rack (Ø 14 mm)	AESXY0074
96 tube rack (Ø 16 mm)	AESXY0073
96 tube rack (Ø 18 mm)	AESXY0072
96 tube rack (Ø 20 mm)	AESXY0075



ENVIRONMENTAL CONTROL





***airIDEAL® 3P™* Traceability**

The complete, practical and reliable solution for aerobiocontamination control.

With the air sampler *airIDEAL® 3P™* Traceability, bioMérieux is committed to the microbiological control of air. Air quality control is a key process in the quality system of pharmaceutical, biotechnology and cosmetic industries. This control must meet the ever higher requirements defined by increasingly strict regulations.

bioMérieux's new *airIDEAL® 3P™* Traceability package is a fully integrated, network-ready solution for air sampling campaigns in the pharmaceutical industry.

The full package comprises the following 3 components:

1. *airIDEAL® 3P™* Traceability air sampler unit
2. Remote control with embedded software and built-in 2D-barcode scanner (Datamatrix)
3. 21 CFR Part 11 compliant and network ready software for designing and following air sampling campaigns

The new industry standard for paperless traceability:

- Using a Datamatrix 2D barcode scanner
- Complementary to bioMérieux culture media plates
- Secured data management
- Simplified workflow

Multiple *airIDEAL® 3P™* Traceability samplers can be controlled autonomously via a Bluetooth connection to a single remote unit. Using the integrated 2D barcode scanner on the remote, completely paperless traceability is achievable between the technician, to the air sampler, to the culture media plate, to the exact sampling time and location!

Now, *airIDEAL® 3P™* Traceability is able to answer all your data traceability requirements, in addition to its well-established reputation for quality and robustness. With full **ISO 14698** validation for physical and biological efficiency, H₂O₂ isolator compatibility and easy air circuit decontamination, *airIDEAL® 3P™* Traceability is the final word in air monitoring.

Other items of equipment are available with our *airIDEAL 3P* Traceability aerobiocollector. Please contact us for availability

SYSTEMS	REF.
<i>airIDEAL® 3P™</i> Traceability equipped with 90/100 mm diameter sampling grids	410175
<i>airIDEAL® 3P™</i> Traceability remote control (RUID)	410173
<i>airIDEAL® 3P™</i> Traceability equipped with 55/60 mm diameter sampling grids	410174

ACCESSORIES	REF.
55/60 mm diameter additional sampling grids	96304
90/100 mm diameter additional sampling grids	96309
Aluminium tripod with ball joint and adapter	96308



Irradiated 3P™ range

Pharmaceutical culture media solutions

bioMérieux manufactures a wide range of products for the control of clean rooms and isolators utilised in the pharmaceutical industry.

From Count-Tact® plates and the Count-Tact® Applicator sampling device for surface control to the Bi-Box transport and incubation system, bioMérieux provides solutions at every step of the environmental monitoring process.

Furthermore, with our entire 3P culture media range validated for storage between 2-25°C, bioMérieux offers you maximum flexibility whatever your storage needs may be.

IRRADIATED TRIPLE WRAPPED 3P™ MEDIA RANGE

For the monitoring of biocontamination in industrial clean rooms and hospitals.
Validated for isolator use.



TOTAL VIABLE COUNT	REF.
Count-Tact® 3P™ Irradiated Agar (USP - EP - JP - ISO)	43691
	43699
Count-Tact® 3P™ Irradiated Agar with Neutralizers and Beta-lactamase (USP - EP - JP - ISO) Environments containing antibiotic traces	43288
Trypcase Soy Agar 3P™ Irradiated (USP - EP - JP - ISO)	43169
	43711
Trypcase Soy Agar 3P™ Irradiated with neutralizers (USP - EP - JP - ISO)	43811
	43819
Trypcase Soy Agar 3P™ Irradiated with Neutralizers and Beta-lactamase (USP - EP - JP - ISO) Environments containing antibiotic traces	43287

2 x 10 (55 mm)
10 x 10 (55 mm)

2 x 10 (55 mm)

10 x 10 (90 mm)
30 g of culture medium
2 x 10 (90 mm)

30 g of culture medium
2 x 10 (90 mm)
30 g of culture medium
10 x 10 (90 mm)
30 g of culture medium

2 x 10 (90 mm)
30 g of culture medium



YEAST AND MOLDS	REF.
Count-Tact® Sabouraud Dextrose Agar 3P™ with neutralizers For fungal contamination detection	43812
Sabouraud Dextrose 3P™ Agar Irradiated with neutralizers For fungal contamination detection	43814

2 x 10 (55 mm)

2 x 10 (90 mm)



OPTIMIZED NEUTRALIZERS FOR THE MOST STRINGENT DISINFECTANTS	REF.
Count-Tact® 3P™ irradiated Agar with Enhanced Neutralizers Optimized neutralizers for the most stringent disinfectants	410927
	410974
TSA 3P™ irradiated with Enhanced Neutralizers	410928

2 x 10 (55mm)
10 x 10 (55mm)

2 x 10 (90 mm)

Irradiated range

Pharmaceutical culture media solutions

bioMérieux manufactures a wide range of products for the control of clean rooms and isolators utilised in the pharmaceutical industry.

From Count-Tact® plates and the Count-Tact® Applicator sampling device for surface control to the Bi-Box transport and incubation system, bioMérieux provides solutions at every step of the environmental monitoring process.

OTHER IRRADIATED TRIPLE WRAPPED MEDIA

For the monitoring of biocontamination in industrial clean rooms and hospitals.

TOTAL VIABLE COUNT

REF.

Trypcase Soy Irradiated Agar (USP - EP - JP - ISO)

43556

Extra large diameter plates for the monitoring of microbial contamination in clean rooms



4 x 5 (140 mm)

YEAST AND MOLDS

REF.

Count-Tact® Sabouraud Dextrose Irradiated Agar with Chloramphenicol (USP - EP - JP - ISO)

43581

For fungal contamination detection



2 x 10 (55 mm)

Sabouraud Dextrose Chloramphenicol Irradiated Agar (USP - EP - JP - ISO)

43595

For fungal contamination detection

2 x 10 (90 mm)

Non irradiated range

Pharmaceutical culture media solutions

bioMérieux manufactures a wide range of products for the control of clean rooms and isolators.

From Count-Tact[®] plates and the Count-Tact[®] Applicator sampling device for surface control to the Bi-Box transport and incubation system, bioMérieux provides solutions at every step of the environmental monitoring process.



TOTAL VIABLE COUNT	REF.
Count-Tact [®] Agar	43501
Count-Tact [®] GTS/TSA Agar	43582
Trypcase Soy Agar	43011 43019

2 x 10 (55 mm)

2 x 10 (55 mm)

2 x 10 (90 mm)

10 x 10 (90 mm)

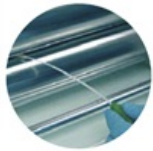


YEAST AND MOLDS	REF.
Count-Tact [®] Sabouraud Dextrose Chloramphenicol Neutralizers Agar	43580
Sabouraud Dextrose Agar	43555
Sabouraud Dextrose Agar with Chloramphenicol	43596

2 x 10 (55 mm)

2 x 10 (90 mm)

2 x 10 (90 mm)



QUANTISWAB®

The superior performance of bioMérieux Nylon™ flocked QUANTISWAB® has been validated against traditional rayon swabs. Due to its exceptional hydraulic capillary action, the new QUANTISWAB® demonstrates a significant improvement in the recovery of microorganisms from surfaces of **up to 60%**, compared to the typical low recovery rate of traditional swabs at around 20%. With **more than 90% release capacity** of the captured microorganisms, QUANTISWAB® guarantees highly reliable and quantitative results.



SURFACE SWAB

REF.

QUANTISWAB®

Sampling of surfaces with high recovery and release capacity (transport tube included)

43801

200 swabs / box
(20 x 10 packs)

Atmosphere generators

ATMOSPHERE GENERATORS AND ACCESSORIES	REF.	Packaging
Anaer Indicator Anaerobic atmosphere indicator	96118	50 strips + 1 package insert
GEN box Atmosphere generators and incubation jars	96124	Anaer 10 aluminium sachets each containing 1 generator
	96125	Microanaer 10 aluminium sachets each containing 1 generator
	96126	CO ₂ 10 aluminium sachets each containing 1 generator
	96127	GENbox Jar 2,5 l
	96128	GENbox Jar 7 l
GENbag Atmosphere generators	45532	Micro aer 20 tests : kit comprises 20 airtight bags 20 generators - 2 clip seals
	45533	Micro aer 20 tests : kit comprises 20 airtight bags 20 generators - 2 clip seals
	45534	Micro aer 20 tests : kit comprises 20 airtight bags 20 generators - 2 clip seals

EQUIPMENT	REF.	Packaging
Bi-Box 90 Sterile case for collection and transport of 90mm plates for environmental control	96311	1 x 10 Bi-Box 90
Bi-Box™ Sterile case for collection and transport of Count-Tact® plates for environmental control	96301	1 x 10 Bi-Box Count-Tact®
Count-Tact® Applicator Applicator for Count-Tact® plates. Standardization of surface sampling	96300	1 applicator



Labguard

Monitoring of temperature and environmental parameters LABGUARD®

AES CHEMUNEX, a bioMérieux company offers a complete monitoring and traceability solution including software, hardware and services to guarantee an effective and smooth operation no matter how complex the monitored installation.

- Secure your samples
- Monitor storage and transport conditions
- Prove the Quality of your procedures
- Simplify audits and accreditations
- Comply to norms and guides EN ISO 17025 - EN ISO 15 189 - ISO 7218 - EN 12 830 -GMP - GLP



Maintenance contracts Installation IQ, OQ, PQ Qualification/Hot-line/Service

Support and service are available worldwide directly from us or through our network of authorised partners.

- Multiple-site management (up to hundreds of probes)
- Users groups management
- Duty schedules for alarms management and possibility of call cascade

Dedicated Team of Specialists

A team of informatics, electronics, metrology, and quality engineers continuously work on the further development of Labguard® systems to guarantee the evolution of your system.

LABGUARD Software

LABGUARD	EXPRESS	PRO	ELIT
Maximum number of channels	20	Unlimited	Unlimited
Preactivated channels	20	50	50
Supplementary 10 channels packs	NA	Option	Option
Hardware compatibility	Labguard 2 + TomKey	All*	All*
Groups option	NA	Option	Included
21 CFR part 11 compliance	NA	Option	Included
Remote alarm notification	NA	Option	Option
Mapping option	NA	Option	Option
Adjusting option	NA	Option	Option

* Labguard®1, Labguard®2, TomProbe®, TomKey®

LABGUARD Hardware

live monitoring of temperature, humidity, pressure and other physical parameters

The LABGUARD range is a complete hardware solution for real time centralized control of physical parameters. It is a wide range of probes, transmitters, data loggers and other accessories that allows everyone to find what meets their needs.

Probes and sensors	Transmitters	Data logger
<ul style="list-style-type: none"> ● Temperature ● Relative Humidity (RH) ● CO2 ● Differential pressure ● Dry contact closure ● Particle count ● Other parameters 	Using wire and wireless technologies, our transmitters ensure real-time information and provide a relevant answers to all monitoring needs in laboratories and industries	Small and robusts, the data loggers record temperature and/or humidity everywhere and all the time.



MICROBIAL DETECTION AND STERILITY TESTING



AUTOMATED REAL-TIME MICROBIAL DETECTION AND ENUMERATION METHOD



SCANRDI	REF.
ScanRDI® Analyser	415443
ScanRDI® documentation	200-D0225-XX
Performance qualification 1	200-D0226-XX
Performance qualification 2	200-D0227-XX
Performance qualification 1&2	415470
Operational qualification document	415472
Commissioning document	415492
Installation qualification document	

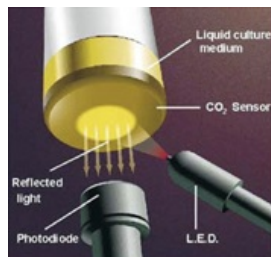


BacT / ALERT® 3D Dual-T

Automated Sterility Test

The BacT/ALERT 3D Dual-T is a fully automated, dual temperature, microbial detection system that may be used to conduct sterility testing at 32.5°C and 22.5°C. This newest generation of the timetested BacT/ALERT system offers advantages in every dimension of testing. From its space-saving modular design to its easy touch-screen operation and flexible data management options, every laboratory will find something to love about the BacT/ALERT 3D Dual-T!

The BacT/ALERT 3D Dual-T is comprised of the following: A BacT/ALERT 3D Controller Module, one BacT/ALERT 3D 240 Incubator and one BacT/ALERT 3D Low temperature (LT) Module. This configuration provides the capacity to incubate 480 culture bottles and can be expanded to 1440 culture bottles. Once you have chosen the System model that fits your workload, choose the appropriate data management package (Select™, SelectLink™, or Signature™).



The power of colorimetric technology

Results are the most important aspect of any microbial detection system. Built on bioMérieux's patented colorimetric technology, the BacT/ALERT® 3D Dual-T demonstrates unsurpassed recovery of a wide range of organisms, detection normally occurs within 24-72 hours*. BacT/ALERT Industry Culture Media offer the ability to detect aerobic, anaerobic, and facultative anaerobic microorganisms, as well as yeast and fungi. Constant sample monitoring alerts the user immediately to positive samples.

The patented colorimetric sensor-and-detection technology detects microorganisms by tracking CO₂ production, the BacT/ALERT 3D Dual-T takes readings every 10-minutes for a user defined amount of time. Notification of positives is immediate and results are dependable.

*Kielinski, G. et al. Roadmap to approval: use of an automated sterility test method as a lot release test for Carticel, autologous cultured - chondrocytes. Cytotherapy 2005;7(6):531-541

Overview and benefits

- The BacT/ALERT 3D Dual-T provides the most complete solution for automation of the USP, EP 2.6.1 and JP 54 chapters for sterility testing with benefits that include: Automation of the compendial sterility test method at two temperatures – 32.5°C and 22.5°C
- Robust detection of bacteria, yeast and mold
- Simple protocol; BacT/ALERT Industry Culture Bottles are directly inoculated with sample
- Continuous monitoring, bottles are read every 10 minutes
- Objective test results, no need to manually interpret turbid samples
- Reduction in hands-on time and labor costs
- Non-destructive sterility test method

With its flexible data management options the BacT/ALERT 3D Dual-T allows you to choose the best configuration for your laboratory. The BacT/ALERT 3D Dual-T keeps it quick, smart and easy.

Please consult our local company or representatives for the availability of this product in your country.

BacT/ALERT 3D for bacterial detection in blood products

The excellent, ultimate analytical sensitivity and clinical specificity of the system enables the detection of a wide variety of microorganisms in blood products at very low levels. BacT/ALERT is used by blood banks, cord blood banks and other institutes that bank cellular products to detect microorganisms.

BacT/ALERT BPA culture bottles and BacT/ALERT BPN culture bottles are specifically developed for the blood collection industry with a specific intended use and regulatory requirements.



Please consult our local company or representatives for the availability of this product in your country.

Media and test samples should be validated for user's particular use of the System.

Please consult our local company or representatives for the availability of this product in your country.

bioMérieux offers a full line of patented plastic BacT/ALERT Industry Culture Media that have an Intended Use specific to Industry needs. All Industry bottles have performance characteristics and quality control conducted with the relevant USP, EP and JP microorganisms.



BIOPHARMA MEDIA AND ACCESSORIES 1

REF.

BacT/ALERT Bottle Reseals for i AST and i LYM

259787

Used in place of aluminum crimp if removed

BacT/ALERT i AST

Industry Standard (Aerobic)

259786

40 ml supplemented tryptic soy broth, removable aluminum crimp seals to facilitate the addition of solid samples

BacT/ALERT i FA

Industry FAN® (Aerobic)

251062

30 ml peptone-enriched tryptic soy broth, supplemented with BHI solids and activated charcoal

BacT/ALERT i FN

Industry FAN (Anaerobic)

251063

40 ml peptone-enriched tryptic soy broth, supplemented with BHI solids and activated charcoal

BacT/ALERT i LYM

Industry Lactic, Yeast & Molds (Aerobic)

259788

20 ml supplemented carbohydrate media, removable aluminum crimp seals to facilitate the addition of solid samples

BacT/ALERT i NST

Industry Standard (Anaerobic)

259785

40 ml supplemented tryptic soy broth

BacT/ALERT i PF

Industry Pediatric FAN (Aerobic)

251061

20 ml peptone-enriched tryptic soy broth, supplemented with BHI solids and activated charcoal



MEDIA FOR BLOOD PRODUCTS




REF.

BacT/ALERT BPA Industry Blood Products Aerobic Color-coded Blue	279018 279044*	40 ml Supplemented TSB Atmosphere of CO ₂ in oxygen 40 ml Supplemented TBS Atmosphere of CO ₂ in oxygen
BacT/ALERT BPN Industry Blood Products Anaerobic Color-coded Purple	279019 279045*	40 ml Supplemented TSB Atmosphere of Nitrogen 40 ml Supplemented TBS Atmosphere of Nitrogen

DATA MANAGEMENT OPTIONS	REF.	24 TESTS
BacT/ALERT 3D Signature™ The BacT/ALERT 3D Signature is a powerful microbiology workstation with comprehensive capabilities. It is ideal for laboratories where expanded flexibility in operating routines, reporting and data management are needed.		
BacT/ALERT 3D Select™ The ideal choice for routine microbial testing in areas where expanded data management is not needed.		
BacT/ALERT 3D SelectLink™ The BacT/ALERT 3D SelectLink is an ideal choice for labs where exchange of basic sample data and results with the laboratory's information system is essential.		
totaldsds totaldsds	321231	28

* Product numbers 279044 & 279045 are additionally CE-marked for whole blood derived pooled buffy-coat platelets.

STERILITY TESTING MEDIA

AEROBIC BACTERIA		REF.			
Trypcase Soy Broth (USP - EP - JP)		42100	20 x 9ml		
Sterility testing					
Trypcase Soy Broth (USP - EP - JP)		44011	12 x 100 ml		
Sterility testing by membrane filtration					
Trypcase Soy Broth Clean Rooms (USP - JP - EP)		42633	6 x 100 ml		
Sterility testing - double wrapped and Ethylene Oxide decontaminated					
51019			500 g		
Culture of non-fastidious microorganisms					
ANAEROBIC BACTERIA		REF.			
CLEAR - THIO (USP - EP - JP)		42018	20 x 9 ml		
Sterility testing					
44021			12 x 100 ml		
Sterility testing by membrane filtration					
CLEAR - THIO CLEAN ROOMS (USP - JP - EP)		42634	6 x 100 ml		
Sterility testing - double wrapped and Ethylene Oxide decontaminated					
Thioglycollate Broth with Resazurin (USP - EP - JP)		42074	20 x 9 ml		
Sterility testing. Enrichment of non-fastidious bacteria					
44001			12 x 100 ml		
Sterility testing by membrane filtration					
51018			500 g		
Sterility testing. Cultivation of anaerobes					
RINSE FLUID		REF.			
Rinsing Solution Fluid A (USP - EP - JP)		42044	12 x 100 ml		
Sterility testing by membrane filtration			4 x 300 ml		
42616					
Rinsing Solution Fluid A Clean Rooms (USP - EP - JP)		42640	6 x 100 ml		
Sterility testing - double wrapped and Ethylene Oxide decontaminated					
Rinsing Solution Fluid D (USP - EP - JP)		42624	4 x 300 ml		
Sterility testing by membrane filtration					
Rinsing Solution Fluid D Clean Rooms (USP - EP - JP)		42644	6 x 100 ml		
Sterility testing - double wrapped and Ethylene Oxide decontaminated					

MEDIA FILL TEST 3P™



MEDIA FILL	REF.	
TSB 3P irradiated Animal peptones (USP - EP - JP)	51101	5 kg
Media-Fill test for aseptic processing	51102	500 g
TSB 3P irradiated Vegetable peptones (USP - EP - JP)	410782	5 kg
Media-Fill test for aseptic processing	410783	500 g
TSB 3P irradiated Vegetable peptones with color indicator (USP - EP - JP)	51103	5 kg
Media-Fill test for aseptic processing	51104	500 g



NON STERILE PRODUCT TESTING



Culture media proposed in harmonized methods

Pharmaceutical culture media solutions

Pharmaceutical culture media are available for the control of non sterile products. The products from bioMérieux allow the detection and enumeration of specific organisms and total viable counts according to the requirements of the European and US Pharmacopoeias.

PREPARATION OF THE SAMPLE

REF.

Buffered Peptoned Solution PH 7.0 (USP - EP - JP)
Diluent for the detection and enumeration of microorganisms

42609

Trypase Soy Broth (USP - EP - JP)
Culture of non-fastidious microorganisms

41146

42100

42614



6 x 90 ml

20 x 9 ml

6 x 100 ml

6 x 90 ml

TOTAL AEROBIC MICROBIAL COUNT

REF.

Trypase Soy Agar (USP - EP - JP)
Isolation of non-fastidious microorganisms

41466

41467

43011

43019



6 x 200 ml

2 x 10 (90 mm)

6 x 100 ml

10 x 10 (90 mm)

TOTAL COMBINED YEAST AND MOLDS COUNT

REF.

Sabouraud Dextrose Agar (USP - EP - JP)
Enumeration of Yeast and Molds in non-sterile pharmaceutical products

43555



2 x 10 (90 mm)

BILE TOLERANT GRAM-NEGATIVE BACTERIA

REF.

Mosel Broth (USP - EP - JP)
Enrichment medium for the detection of *Enterobacteriaceae* and other Gram negative bacteria in non-sterile pharmaceutical products

42621

Violet-Red Bile Glucose Agar VRBG (USP - EP - JP)
Selective medium for the isolation and enumeration of *Enterobacteriaceae*

42601



6 x 100 ml

6 x 200 ml

ESCHERICHIA COLI

REF.

Mac Conkey Agar (USP - EP - JP)
Selective isolation of *Enterobacteriaceae* and *Escherichia coli*

43141

43149

Mac Conkey Broth (USP - EP - JP)
Detection of *Escherichia coli* in non sterile pharmaceutical products

42622



2 x 10 (90 mm)

10 x 10 (90 mm)

6 x 100 ml

SALMONELLA

REF.

Rappaport Vassiliadis Broth (USP - EP - JP)
Selective enrichment medium for the detection of *Salmonella*

42110

Xylose-Lysine-Deoxycholate Agar XLD (USP - EP - JP)
Selective isolation of *Salmonella* and *Shigella*

43563

43564



20 x 9 ml

2 x 10 (90 mm)

10 x 10 (90 mm)

PSEUDOMONAS AERUGINOSA

REF.

Cetrimide Agar (USP - EP - JP)
Selective isolation of *Pseudomonas aeruginosa*

43565



2 x 10 (90 mm)

**STAPHYLOCOCCUS AUREUS**

REF.

Mannitol Salt Agar (USP - EP - JP)
Selective isolation of *Staphylococci***43671****43679**

2 x 10 (90 mm)

10 x 10 (90 mm)



Other culture media not described in harmonized texts

Pharmaceutical culture media solutions

Pharmaceutical culture media are available for the control of non sterile products. The products from bioMérieux allow the detection and enumeration of specific organisms and total viable counts according to the requirements of the European and US Pharmacopoeias.

WATER TESTING

REF.

R2A agar

Enumeration of total viable aerobic microorganism in water

43551



2 x 10 (90 mm)

PREPARATION OF THE SAMPLE

REF.

Buffered Sodium-Chloride Solution with Neutralizers

Neutralizing solution for non-sterile pharmaceutical products

42623



6 x 90 ml

Lactose Broth

Diluent for the detection of *Enterobacteriaceae* and other Gram negative bacteria

42608

6 x 90 ml

ANAEROBIC BACTERIA

REF.

Schaedler Agar + 5% Sheep Blood

Isolation of anaerobic bacteria

43279

43401



10 x 10 (90 mm)

2 x 10 (90 mm)

E. COLI

REF.

ChromID™ Coli (coli ID)

Selective and chromogenic medium for the detection and enumeration of β -D-glucuronidase positive *E. coli* and other coliforms from food samples

42017



6 x 200 ml

Mac Conkey Broth

Detection of *Escherichia coli* in non-sterile pharmaceutical products

51015

500 g

ENTEROBACTERIA

REF.

Eosin-Methylene Blue Agar

Isolation of *Enterobacteriaceae*

43081

AEB521360



2 x 10 (90 mm)

2 x 10 (90 mm)

Kligler Agar

Differentiation of *Enterobacteriaceae*

42087

20 tubes
(slope + base)

VRBGL Agar

Detection of *Enterobacteriaceae* and some other Gram negative bacteria in non-sterile pharmaceutical products

43271

1 x 20 (90 mm)

ENTEROCOCCUS

REF.

Columbia Agar + 5% Sheep Blood

Isolation of fastidious bacteria. Detection of hemolysis

43041

43049



2 x 10 (90 mm)

10 x 10 (90 mm)

HEMOLYTIC BACTERIA

REF.

Columbia Agar + 5% Horse Blood

Isolation of fastidious bacteria. Detection of hemolysis

43050

43059



2 x 10 (90 mm)

10 x 10 (90 mm)

Columbia AN C Agar + 5% Sheep Blood

Selective isolation of fastidious bacteria. Detection of hemolysis

43071

43079

2 x 10 (90 mm)

10 x 10 (90 mm)

D-Coccosei Agar Selective isolation and differentiation of enterococci and group D streptococci	43151 51025	10 x 10 (90 mm)	500 g
Trypase Soy Agar + 5% Horse Blood Isolation of bacteria. Determination of hemolysis	43061	2 x 10 (90 mm)	
Trypase Soy Agar + 5% Sheep Blood Isolation of bacteria. Determination of hemolysis	43001 43009	2 x 10 (90 mm) 10 x 10 (90 mm)	



SALMONELLA	REF.
Brilliant Green Agar Detection of <i>Salmonella</i> in non-sterile pharmaceutical products	43601
ChromID™ Salmonella Chromogenic medium for the selective isolation and differentiation of the genus <i>Salmonella</i>	43621 43629
Deoxycholate Citrate Agar Detection of <i>Salmonella</i> in non-sterile pharmaceutical products	43381
XLD Agar Selective isolation of <i>Salmonella</i> and <i>Shigella</i>	51049



STAPHYLOCOCCUS	REF.
Baird Parker Agar Enumeration of coagulase positive <i>Staphylococcus</i>	43521 43529 51074
Baird Parker Agar RP F (Rabbit Plasma Fibrinogen) Enumeration without confirmation of coagulase positive staphylococci/Coagulase test	43531
Chapman Agar Isolation of staphylococci	41606



TOTAL VIABLE COUNT	REF.
Chocolate Agar + PolyViteX Isolation of fastidious bacteria	43101 43109
Chocolate Agar + PolyViteX Mixture Isolation of fastidious bacteria	41536
Columbia Agar Isolation of fastidious bacteria	51026
Eugon LT 100 Broth Medium for the enrichment of microorganisms in cosmetics	33823 42070 42613 AEB110579N AEB610574N AEB610579N
LT 100 Agar Isolation and enumeration of microorganisms in cosmetics	43281
Plate Count Agar	AEB520710
Trypase Soy Agar Culture of nonfastidious microorganisms	42101 51044



YEAST AND MOLDS	REF.
Sabouraud Chloramphenicol 2 Agar	42067
Sabouraud Gentamycin Chloramphenicol 2 Agar	43659
ChromID™ Candida Chromogenic medium for the selective isolation of Yeast and the direct identification of <i>Candida albicans</i>	43631
Sabouraud Agar Isolation of fungi	42641



Sabouraud Chloramphenicol Agar Selective isolation of fungi	42027	6 x 100 ml
Sabouraud Dextrose Chloramphenicol Agar Enumeration of Yeasts and Molds in non-sterile pharmaceutical products	42620	6 x 200 ml
Sabouraud Liquid Broth Culture of Yeast and Molds Growth of Yeast and Molds	42108 51063	20 x 9 ml 500 g



STANDARDIZED STRAINS



BioBall®

Delivering confidence in Quantitative Microbiology

BioBall® contains a precise number of microorganisms in a water soluble ball delivering unprecedented accuracy for Quantitative Microbiological Quality Control. **BioBall is easy to use** and requires no preparation or pre-incubation. It can be added directly to media or matrix samples.

BioBall is an accredited reference material under ISO Guide 34 standard.

BioBall is available in **four standards** levels:

- 1. **BioBall SingleShot** – mean of between 28 and 33 cfu with a standard deviation of 3 cfu or less (unless otherwise stated). Designed for a precise single inoculation. Ideal positive control for media QC, positive control for pathogen testing in the food industry and as a positive control for water and waste water testing.
- 2. **BioBall Multishot 550** – mean of between 500 and 600 cfu with a standard deviation of $\leq 10\%$ of the mean. Designed for re-hydration into 1.1 mL of MultiShot 550 Re-Hydration Fluid to provide 10 x 100 μ L doses of 50 cfu. Ideal for pharmaceutical microbiology QC where multiple positive controls in the 10 to 100 cfu range are needed.
- 3. **BioBall HighDose 10K** – mean of between 8,000 and 12,000 cfu with a standard deviation of $\leq 15\%$ of the mean (unless otherwise stated). Designed for a single precise inoculation at a higher cfu level. Ideal positive control for food testing where a higher cfu inoculation is required.
- 4. **BioBall MultiShot 10E8** – mean of between 0.7 and 1.5×10^8 cfu with a standard deviation of $\leq 20\%$ of the mean. Designed for rehydration into 1.1mL of BioBall Re-Hydration Fluid to provide 10 x 100 μ L doses of 10^7 . Pharmaceutical and cosmetic preparations often require antimicrobial activity to prevent microbial proliferation or to limit the effects of contamination. The Pharmacopoeias require testing these products for the efficacy of antimicrobial preservation (e.g. USP 51, EP 5.1.3, JP19). BioBall MultiShot 10E8 is ideal for this application and simplifies preparation and provides a precise inoculum.

BioBall Plant Isolate is a new service offering, allowing you to order BioBall with any wild-type strain from your in-house collection whether they're environmental monitoring isolates or contaminants of products or raw materials.

BioBall Plant Isolate is manufactured at BTF (a bioMérieux Company) in Sydney Australia and maintains the high level of quality you are accustomed to with standard BioBall products.

Please refer to the BioBall Strains List available online at www.biomerieux-industry.com/bioball for further strain information.

MULTISHOT 550 IN PACKS OF 20 VIALS	REF.	BioBall Strain	Equivalent Strain	Number of vials	Number of tests
14 Day Re-Hydration Fluid	410386	NA	NA	20	200
<i>Aspergillus brasiliensis</i>	56011	NCPF 2275	CIP1431.83, IMI149007, NBRC9455, WDCM00053	20	200
<i>Bacillus subtilis</i> subsp. <i>spizizenii</i>	56012	NCTC 10400	CIP52.62, NCIMB8054, NBRC3134	20	200
<i>Candida albicans</i>	56013	NCPF 3179	CIP48.72, NBRC1594, WDCM00054	20	200
<i>Clostridium sporogenes</i>	56014	NCTC 12935	NBRC14293, NCIMB12343, CIP100651, DSM1446	20	200
<i>Enterococcus faecalis</i>	56015	NCTC 12697	WDCM00087	20	200
<i>Escherichia coli</i>	56016	NCTC 12923	NCIMB8545, CIP53.126, NBRC3972, WDCM00012	20	200
<i>Pseudomonas aeruginosa</i>	56017	NCTC 12924	NCIMB8626, CIP82.118, NBRC13275, WDCM00026	20	200
<i>Salmonella enterica</i> , subsp. <i>enterica</i> , serotype <i>abony</i>	56018	ACM 5080	NCTC 6017, NBRC100797, CIP80.39, DSM4224, WDCM00029	20	200
<i>Staphylococcus aureus</i>	56019	NCTC 10788	CIP4.83, NCIMB9518, NBRC13276, FDA209, WDCM00032	20	200
Re-Hydration Fluid	56021	NA	NA	20	200

SINGLESOT IN PACKS OF 20 VIALS	REF.	BioBall Strain	Equivalent Strain	Number of vials	Number of tests
<i>Aspergillus brasiliensis</i> ***	56022	NCPF 2275	CIP1431.83, IMI149007, NBRC9455, WDCM00053	20	20
<i>Bacillus cereus</i>	56023	NCTC 7464	NCIMB8579, NRRL569	20	20
<i>Bacillus subtilis</i> subsp. <i>spizizenii</i>	56024	NCTC 10400	CIP52.62, NCIMB8054, NBRC3134	20	20
<i>Candida albicans</i> *	56026	NCPF 3179	CIP48.72, NBRC1594, WDCM00054	20	20
<i>Citrobacter freundii</i>	56027	NCTC	DSM30039, NBRC12681,	20	20

		9750	CIP57.32	20	20
<i>Clostridium perfringens</i>	56028	NCTC 8798		20	20
<i>Clostridium sporogenes</i>	56029	NCTC 12935	NBRC14293, NCIMB12343, CIP100651, DSM1446	20	20
<i>Enterobacter aerogenes</i>	56030	NCTC 10006	DSM30053, CDC819-56	20	20
<i>Enterococcus faecalis</i>	56031	NCTC 12697	WDCM00087	20	20
	56032	NCTC 775	DSM20478, WDCM00009	20	20
<i>Escherichia coli</i>	56033	NCTC 9001	DSM30083, CIP54.8, WDCM00090	20	20
	56034	NCTC 12923	NCIMB8545, CIP53.126, NBRC3972, WDCM00012	20	20
<i>Escherichia coli</i> *	56035	NCTC 12241	DSM1103, NCIMB12210, WDCM00013	20	20
<i>Kocuria rhizophila</i> ***	412690	NCTC 8340		20	20
<i>Listeria innocua</i>	56038	NCTC 11288	DSM20649, WDCM00017	20	20
<i>Listeria monocytogenes</i>	56039	NCTC 11994	WDCM00019	20	20
<i>Pseudomonas aeruginosa</i> *	56040	NCTC 12924	NCIMB8626, CIP82.118, NBRC13275, WDCM00026	20	20
<i>Salmonella abaeetetuba</i>	56041	NCTC 8244	CDC4905-51	20	20
<i>Salmonella enterica subsp. enterica serovtype typhimurium</i>	56044	NCTC 12023	DSM19587, NCIMB13284, WDCM00031	20	20
<i>Salmonella enterica, subsp. enterica, serotype abony</i>	56042	ACM 5080	NCTC 6017, NBRC100797, CIP80.39, DSM4224, WDCM00029	20	20
<i>Salmonella salford</i> ****	56043	IMVS 1710		20	20
<i>Staphylococcus aureus</i> ***	56045	NCTC 10788	CIP4.83, NCIMB9518, NBRC13276, FDA209, WDCM00032	20	20
<i>Staphylococcus epidermidis</i> **	56092	NCTC 6513		20	20
<i>Streptococcus pyogenes</i>	56046	NCTC 12696	CIP104226	20	20

MULTISHOT 10E8 IN PACKS OF 10 VIALS	REF.	BioBall Strain	Equivalent Strain	Number of vials	Number of tests
<i>Aspergillus brasiliensis</i>	410106	NCPF 2275	CIP1431.83, IMI149007, NBRC9455, WDCM00053	10	100
<i>Candida albicans</i>	56145	NCPF 3179	CIP48.72, NBRC1594, WDCM00054	10	100
<i>Escherichia coli</i>	56146	NCTC 12923	NCIMB8545, CIP53.126, NBRC3972, WDCM00012	10	100
<i>Pseudomonas aeruginosa</i>	56147	NCTC 12924	NCIMB8626, CIP82.118, NBRC13275, WDCM00026	10	100
<i>Staphylococcus aureus</i>	56148	NCTC 10788	CIP4.83, NCIMB9518, NBRC13276, FDA209, WDCM00032	10	100
Re-Hydration Fluid	56021	NA	NA	20	200

HIGHDOSE 10K IN PACKS OF 20 VIALS	REF.	BioBall Strain	Equivalent Strain	Number of vials	Number of tests
<i>Aspergillus brasiliensis</i>	56049	NCPF 2275	CIP1431.83, IMI149007, NBRC9455, WDCM00053	20	20
<i>Bacillus subtilis subsp. spizizenii</i>	56143	NCTC 10400	CIP52.62, NCIMB8054, NBRC3134	20	20
<i>Candida albicans</i>	56050	NCPF	CIP48.72, NBRC1594,	20	20

<i>Clostridium perfringens</i>	56051	3179	WDCM00054	20	20
<i>Enterobacter aerogenes</i>	56052	NCTC 8798		20	20
<i>Escherichia coli</i>	56053	NCTC 10006	DSM30053, CDC819-56	20	20
<i>Lactobacillus fermentum</i> *****	56054	NCTC 9001	DSM30083, CIP54.8, WDCM00090	20	20
<i>Pseudomonas aeruginosa</i>	56144	NCIMB 6991		20	20
<i>Staphylococcus aureus</i>	56055	NCTC 12924	NCIMB8626, CIP82.118, NBRC13275, WDCM00026	20	20
		NCTC 10788	CIP4.83, NCIMB9518, NBRC13276, FDA209, WDCM00032	20	20

MIXED KITS	REF.	BioBall Strain	Equivalent Strain	Number of vials	Number of tests
MultiShot 10E8 Mixed kit for Antimicrobial Effectiveness Testing	56150	NA	NA	10	100
MultiShot 550 Mixed Kit for Growth Promotion Testing	412540	NA	NA	12	120
MultiShot 550 Mixed Kit for Sterility Assurance Testing	412647	NA	NA	12	120
SingleShot Mixed Kit for Growth Promotion Testing	412541	NA	NA	12	12
SingleShot Mixed Kit for Sterility Assurance Testing	412646	NA	NA	12	12

Please click on the link to know microorganisms included into the mixed kits <http://www.biomerieux-industry.com/biopharma/bioball-2#tabs-2>

*Standard deviation <3.5

** Standard deviation < 4

*** Standard deviation <4.5

****Mean of between 40 and 60 cfu with a standard deviation of 7 cfu or less

*****Mean of between 7,000 and 13,000 with a standard deviation of ? 20% of the mean

Strains sourced from NCTC, NCPF, IMVS, NCIMB & ACM. BioBall® does not contain organisms sourced from The American Type Culture Collection®. ATCC is a trademark belonging to the American Type Culture Collection Corporation. BioBall is manufactured using strains sourced from the Health Protection Agency. NCTC is a trademark of the Health Protection Agency.



IDENTIFICATION AND MICROBIAL GENOTYPING





VITEK® 2 Compact

VITEK 2 Compact is an automated phenotypic identification system for routine microbial identification that provides less hands on time and quick identification results.

How is the best made better? One compact instrument has it all: vacuum filler, cassette loader, card sealer, reader carousel and waste container all in one small footprint.

This system is offered in three models:

Each card provides :

- **Efficiency:** preinserted transfer tubes; manual, external marks not required.
- **Performance:** 64-well cards with advanced colorimetric substrates provide higher accuracy.
- **Traceability:** each card has a unique barcode identifier linking it to its sample.
- **Safety:** each card is hermetically sealed keeping the sample safely inside.

For added convenience, we provide the VITEK 2 Compact Validation Package (Product numbers W2419 in the US; W2420 outside the US).

Identification cards are packaged 20 per box.

VITEK 2 Identification cards can only be used with the VITEK 2 system.

See the bioMérieux representative for additional information.



SYSTEMS	REF.
VITEK 2 Compact 15	27415
VITEK 2 Compact 30	27630
VITEK 2 Compact 60	27660

VITEK 2 COMPACT REAGENTS	REF.	
ANC for anaerobic bacteria and <i>Corynebacterium</i> spp.	21347	20 cards
BCL Card for Gram-positive sporeforming bacilli.	21345	20 cards
CBC Card for <i>Corynebacterium</i> spp and related genera.	21348	20 cards
GN Card for Gram-negative identification.	21341	20 cards
GP Card for Gram-positive identification.	21342	20 cards
NH Card for <i>Neisseria</i> and <i>Haemophilus</i> spp.	21346	20 cards
YST Card for yeast-like organisms.	21343	20 cards



**Specifications****Outside dimensions**

Width: 560 mm (22 inches)
 Depth: 530 mm (21 inches)
 Height – Lid open: 580 mm (23 inches)
 Lid closed: 240 mm (9.5 inches)
 Weight: 16.8 kg (37 lbs)

PREVI™ Color**A Real Work of Art: Color Clean, Color Safe**

PREVI Color Gram does the tedious work for you while you perform more important tasks.

Standardized, Accurate

PREVI Color Gram is an automated gram stainer system for all types of specimens which provides accurate, standardized results.

- **Standardized coloration** - innovative spray nozzles always dispense the same reagent volume.
- **No cross contamination** - each slide separated and fresh staining reagent used each time.
- **Improved microorganism differentiation** in comparison with manual and bath staining results.

Safe, Clean, Environmentally Friendly

- **User Safety:** ready-to-use, closed reagent containers; integrated reagent waste container avoids user contact when disposing of waste; low toxicity of crystal violet.
- **Clean:** self-contained waste system (no need for a sink); instrument is easy to clean.
- **Eco Friendly:** waste container; spray technology economically uses just enough reagent for the number of slides programmed.

Flexible, Smooth workflow

- **Simply Load & Go.**
- **Possible to adapt reagent volume** depending on smear thickness
- **Fully automated process** from fixation to slide drying (3-5 minutes)
- **Improved lab workflow** with single or batch slides possible

PREVI COLOR GRAM 12	REF.
D&E 500 ml empty bottles	29559
Nozzle cleaning solution	29525
PREVI Color accessory 12	29553
PREVI Color Gram	29551
PREVI Color Gram user CD	29555
Safety & regulatory info Vol.1	200496
Safety & regulatory info Vol.2	200497

PREVI COLOR GRAM 30	REF.
D&E 500 ml empty bottles	29559
Nozzle cleaning solution	29525
PREVI Color accessory 30	29554
PREVI Color Gram	29551
PREVI Color Gram user CD	29555
Safety & regulatory info Vol.1	200496
Safety & regulatory info Vol.2	200497



API®/ID 32

Innovation

API completely revolutionized the field of bacteriology. The API range introduced a standardized and miniaturized version of existing techniques, which, up until then, were complicated to perform and difficult to read. With API, bacterial identification became simple, rapid and reliable.



The identification of all the microorganisms

Today, the API/ID 32 range is the most extensive range available. It includes 15 identification systems covering all groups of bacteria encountered in industrial microbiology laboratories: *Listeria*, *Enterobacteriaceae* and non fermenting Gram negative rods, *Bacillus*, *Lactobacillus*, *Staphylococcus*... API can identify over 600 different species.



API IDENTIFICATION	REF.	
Campylobacter API Campy	20800	12 strips + 24 media
Corynebacteria API Coryne	20900	12 strips + 24 media
Enterobacteriaceae API 10 S	10100	50 strips
API 20 E	20100	25 strips
RapiD 20 E	20160	100 strips
	20701	25 strips
Listeria Rapidec Lmono Confirmation of the identification done on chromID™ OAA	03700	20 tests
API Listeria	10300	10 strips + 10 media
Neisseria - Haemophilus API NH	10400	10 strips + 10 media
Staphylococci API Staph	20500	25 strips + 25 media
Staphylococcus RAPIDEC® Staph	03300	30 tests
Streptococci API 20 Strep	20600	25 strips + 25 media
Anaerobes API 20A	20300	25 strips + 25 media
Gram Negative Rods API 20 NE	20050	25 strips + 25 media
Other API ZYM	25200	25 strips
API 50 CH	50300	10 strips
API 50 CHL medium	50410	10 x 10 ml
API 50 CHB/E medium	50430	10 x 10 ml
Yeast API Candida	10500	10 strips + 10 media
API 20 C AUX	20210	25 strips + 25 media

ID 32/RAPID ID 32	REF.	
Enterobacteriaceae ID 32 E	32400	25 strips
Rapid ID 32 E	32700	25 strips
Staphylococci ID32 STAPH	32500	25 strips
Streptococci Rapid ID32 STREP	32600	25 strips
Anaerobes Rapid ID 32 A	32300	25 strips
Gram Negative Rods ID32 GN	32100	25 strips + 25 media

Yeast ID32 C		32200	25 strips + 25 media	
<div>   </div>			Packaging	
ADDITIONAL REAGENTS AND ACCESSORIES		REF.		
10µl sterile loops		70760	50 x 10	
12 ampoule rack		70200	1	
Ampoule protector		70901	1 x 3	
API M Medium		50120	10 x 5 ml	
API NaCl 0.85% Medium (2 ml)		20070	100 ampoules	
API NaCl 0.85% Medium (3 ml)		20040	100 ampoules	
API NaCl 0.85% Medium (5 ml)		20230	100 ampoules	
API OF Medium		50110	10 x 5 ml	
API® Suspension Medium (2 ml)		70700	100 ampoules	
API® Suspension Medium (3 ml)		70640	100 ampoules	
API® Suspension Medium (5 ml)		20150	100 ampoules	
BCP		70510	1 ampoule	
EHR		70520	1 ampoule	
FB		70562	2 ampoules	
James		70542	2 ampoules	
McFarland Standard		70900	6 standards	
Mineral oil		70100	1 x 125 ml	
NIN		70491	2 ampoules	
NIT 1 + NIT 2		70442	2 x 2 ampoules	
PYZ		70492	2 ampoules	
Sterile Pipette (5ml)		70250	400	
Sterile swabs		70610	100	
TDA		70402	2 ampoules	
VP1 + VP2		70422	2 x 2 ampoules	
XYL		70530	2 x 5 ml	
Zn		70380	2 x 10 g	
ZYM A		70494	2 ampoules	

ZYM B

70493

2 ampoules



APIWEB®

Identification of microorganisms

APIWEB® Anytime, anywhere

By miniaturizing and standardizing conventional techniques, **the API** range has represented a true revolution in the field of identification.

Committed to remaining at the forefront of innovation, bioMérieux once again gives a new dimension to this range by now making identification available **to everyone, at anytime, and anywhere.**

APIWEB®, a tool which encompasses the technologies of today and the future, is the essential complement to manual identification.

PRODUCT NAME	REF.
APIWEB® 1 license	40011

**DiversiLab®**

The DiversiLab system provides best in class genotypic characterization of bacteria, yeast and mold, providing same day strain typing for real time investigations. Meet your Pharmacopeial regulations for investigations and product control – rapidly locate the source and stop the spread of further contamination.

The system automates and standardizes a traditionally complex process while increasing consistency, reproducibility and ease of interpretation.

The DiversiLab system has wide applications in biotechnology process, biopharmaceutical and environmental control. Software is dynamic, with secure reports and 21CFR11 compliance. The DiversiLab system complements bioMérieux's complete offer in environmental, product control.

Specifications: weight = 10 kg (22 lbs)

Dimensions: W 162 X H 412 X D 290mm (W 64 X H 16.2 X D 11.4 inches)

Contact your bioMérieux representative for more details and product availability.

DIVERSILAB CHIPS

REF.

DL LabChip Kit (25 chips) 325 tests

270670

DL LabChip reagents 325 tests

270678

DIVERSILAB ANALYZER

REF.

DL Agilent 2100 Bioanalyzer

270709

DIVERSILAB FINGERPRINTING KITS

REF.

48 TESTS

24 TESTS

DL Acinetobacter Kit

270600

410946

DL Archaea Kit

270601

DL Aspergillus Kit

270602

DL Bacillus Kit

270603

410962

DL bacterial kit

270633

411007

DL Bifidobacterium Kit*

270604

DL C.perfringens Kit

270610

DL Campylobacter Kit

270607

410964

DL Candida Kit

270608

410965

DL Clostridium Kit

270609

410966

DL Enterobacter Kit

270611

410968

DL Enterococcus Kit

270612

410969

DL Escherichia Kit

270613

410980

DL Francisella kit

270631

DL fungal kit

270657

411008

DL Klebsiella Kit

270615

410981

DL Lactobacillus Kit	270616	410982
DL Listeria Kit	270618	410983
DL M. tuberculosis Kit	270621	410986
DL Mycobacterium Kit	270619	410984
DL Mycoplasma Kit	270620	
DL Propionibacterium Kit**	270623	410987
DL Pseudomonas Kit	270624	410988
DL Saccharomyces kit	270632	410994
DL Salmonella Kit	270625	410989
DL Serratia Kit	270626	410990
DL Staphylococcus Kit	270628	410991
DL Streptococcus Kit	270630	410992

* Validated for use with *Rhodococcus* and *Nocardia*.

** Validated for use with *Legionella*.



VITEK® MS (MALDI-TOF technology)


The Ultimate innovation for the technology-sensitive laboratory that wants to drive change by early adoption of the latest technology for identification.

Identify environmental bacteria, yeast and molds within minutes utilizing an efficient and easy workflow with minimal reagents.

- Inoculate your slide with a small colony piece using a 1µL loop.
- Add matrix solution
- Place in instrument

VITEK® MS V2 INDUSTRY	REF.
ELO 1519L Touchscreen Res	411016
Monitor Lcd 17in Hp L1710	411935
VITEK® MS Bcr 1900G HD	411033
VITEK® MS External RS232C Cable	6200585
VITEK® MS Instrument	410895
VITEK® MS RP5700 ACQ PC Kit	413671
VITEK® MS RP5700 DVD Masters V2 Industry Contains: VITEK® MS RP5700 Acquisition DVD Masters V1.4.2 VITEK® MS RP5700 Prep Station DVD Masters V2.3.2	413670
VITEK® MS RP5700 PREP PC Kit	413672

VITEK® MS ASSOCIATED OPTIONS	REF.
Keyboard PC Azerty Ps293630 (FR only)	93630
Ups SmartApc 2200 VA (Europe)	411018
Ups SmartApc 2200 VA (US)	411019

MATRIX AND TARGET SLIDES	REF.	
API® suspension medium	20150	 5 ml 100 3ml 100 2ml 100
	70640	
	70700	
Disposable Target Slides	410893	
Urea-Arginine Lyo2 broth	42508	
VITEK® MS CHCA Matrix	411071	

VITEK® MS USER MANUALS FOR INDUSTRY	REF.
VITEK® MS Prep Station User Manual	4501-2187
VITEK® MS User Manual	4501-2184
VITEK® MS USER MANUALS INDUSTRY CD	413260
VITEK® MS Workflow User Manual Industry Use	161150-127

MYLA®	REF.
Connectivity and Security CD	410496
Electronic Documentation CD Industry	413231
Full System Backup Usb Key V5	412217
MYLA® Master DVD	413923
MYLA® Server HP ML350	414055
MYLA® V2 to V3 Update CD	413140
VILINK® Cd User Manual	17555
VILINK® Software	17548

MYLA® ASSOCIATED OPTIONS	REF.
Elo 1519L Touchscreen Res	411016
MYLA® OQ/PQ Procedure	411098
MYLA® VITEK® MS Connection kit	411615
Ups Smart Apc 1000 Va Us	93024

MYLA® ASSOCIATED OPTION NETWORK	REF.
Generic Gs900 8P Switch Kit	412914
Generic Router Sao1000 Firewall Kit	412915
Shielded ethernet cable	17546

PACKAGE INSERTS	REF.
API® suspension medium (70700/70640/201503)	11791

Urea-Arginine Lyo2 broth (42508)	10684
VITEK® MS V2.0 Knowledge Base Industry Use	161150-138
VITEK® MS-CHCA (411071)	9300851
VITEK® MS-DS (410893)	16318
VITEK® MS-FA (411072)	9300853



SAMPLE EXTRACTION



NucliSENS® miniMAG® and easyMAG®

Extracting Nucleic Acid in the Molecular Biology Laboratory

Molecular detection requires the extraction of nucleic acids from many different sample types. Therefore, the performance of the extraction step is key to successful molecular detection. bioMérieux has developed two automated solutions for the extraction:

- NucliSENS® easyMAG® is a totally automated system for nucleic acid extraction/purification.
- NucliSENS® miniMAG® is a semi-automated solution.

bioMérieux patented BOOM® technology is based on the ability of silica to bind DNA and RNA in high salt concentrations. BOOM technology is recognized as the most efficient method for nucleic acid extraction and is now licensed by bioMérieux

for use in many commercially-available solutions.

NucliSENS miniMAG and NucliSENS easyMAG provide:

- Generic extraction for DNA and RNA
- Single procedure and reagent set for all applications
- Simultaneous processing of variable sample and elution volumes
- Compatible with most sample types

NUCLISENS MINIMAG	REF.	Packaging
Magnetic rack	200 299	12 holes
Micro-tubes (1.5 ml) with cap	200 294	500 tests
NucliSENS Lysis Buffer (2 ml)	200 292	48 tests
NucliSENS Magnetic Extraction Reagents	200 293	48 tests
NucliSENS miniMAG	200 305	Throughput: 12 extractions in 45 mins

NUCLISENS EASYMAG	REF.	Packaging
NucliSENS easyMAG	280 140	Throughput: 24 extractions in 45 mins
NucliSENS easyMAG Disposables	280 135	384 extractions
NucliSENS easyMAG Extraction Buffer 1	280 130	4 x 1 liter
NucliSENS easyMAG Extraction Buffer 2	280 131	4 x 1 liter
NucliSENS easyMAG Extraction Buffer 3	280 132	4 x 1 liter
NucliSENS easyMAG Lysis Buffer	280 134	4 x 1 liter
NucliSENS easyMAG Magnetic Silica	280 133	384 extractions
Strips for premix	278 303	100 plates
Tips for multichannel pipette	280 146	10 x 96



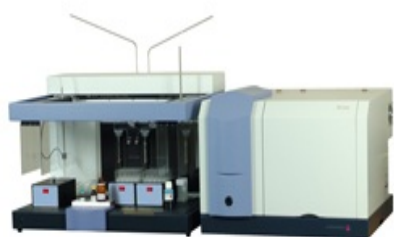


COSMETICS



CHEMUNEX® Rapid Microbiology Analysers

Rapid Microbial testing : Release your products faster with a high security level !



D-Count®
Automated system with high throughput :
50 tests / hour



BactiFlow® ALS
Automated system : 25 tests / hour



BactiFlow®
Semi-Automated system : 10-15 tests / hour

Secure your microbiological risks :

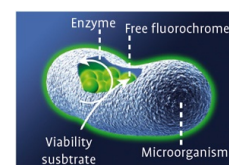
- Fast response to contamination incidents
- Rapid confirmation of corrective action effectiveness
- Universal protocols highly compatible with cosmetic products

Save money :

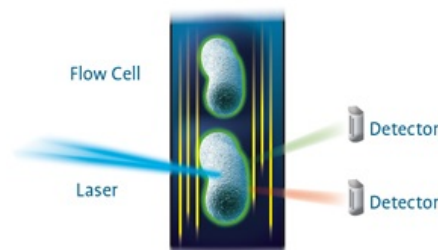
- Decrease inventory holding and warehouse costs significantly
- Reduce quarantine time
- Decrease product losses

Be more competitive :

- Decrease your production cycle time
- Be the first to release your product on the market



CELL LABELING



LABELLED CELL DETECTION

CHEMUNEX® Fluorescent Cell Labelling Technology has been widely used by the industry for more than 20 years and is a well-established technology for the universal labelling of viable bacteria, yeasts and molds.

CHEMUNEX technology provides direct labelling and detection, cell by cell.

This provides results in microbial cell counts without the need of any calibration curve or interpretation. All and only viable microorganisms are labelled, even under conditions of stress such as the nutrient-depleted conditions of process water or in the presence of growth inhibitors, and are kept intact.

This means that quantitative results can be available within 30 minutes and no pre-enrichment is required such as in process control applications (e.g. water testing, fruit juice concentrate analysis, pasteurisation control).

Although pre-incubation of final products is required, microbiology results are typically available in 24 to 48 hours. This technology has been used for many years in the cosmetics industries.

3 Automation Levels adapted to your throughput

Three systems adapted to routine requirements for manufacturers are available:

The D-Count® and BactiFlow® ALS systems combine fully automated fluorescent viable cell labelling and digital flow cytometry into powerful systems that can detect and count individual cells without the need for cell growth as a detection requirement.

Applications


Discover CHEMUNEX® Flow Cytometry Solutions



- Presence/absence tests in 1 or 2 days : detection of bacteria, yeasts and molds in all cosmetic products
- Direct enumeration tests in 30 min: detection of bacteria, yeasts and molds in process water, environmental samples and cosmetic products*.

* Products compatible with the method

INSTRUMENT	REF.
BactiFlow® ALS Fully automated flow cytometer (25 tests/h)	400-A0001-01
BactiFlow® Semi-automated Flow cytometer (15 tests/h)	302-A0002-01
D-Count® High Throughput automated system (50 tests/h)	301-A0001-01

NEUTRALIZING CULTURE MEDIA	REF.		
ChemBoost C	306- R3105-01 306- R3105-02 399- R3105-04	100 x 9 ml	6 x 49 ml 6 x 100 ml
ChemBoost C with Beads*	306- R3116-01		6 x 49 ml
ChemBoost YM	306- R3128-01		6 x 20 ml

* Please consult us for availability in your country

Traditional Microbial Detection Enumeration



NEUTRALIZING CULTURE MEDIA	REF.	
ChemBoost C - Broth	304-R3105-05AF*	
	306-R3105-01	6 x 49 ml
	306-R3105-02	6 x 100 ml
	399-R3105-04	100 x 9 ml
ChemBoost C with Beads*-Broth	306-R3116-01	6 x 49 ml
ChemBoost YM - Broth	306-R3128-01	6 x 20 ml
LPT - Broth	410849	
	AEB110569	100 x 9 ml
	AEB140562	
	AEB610564	500 g 6 x 90 ml
LPT with glass beads - Broth	AEB110569B	100 x 9 ml
LT100 (Eugon) - Broth	contact us	
	42070	6 x 50 ml
	AEB110579N	20 x 9 ml
	AEB140572N	100 x 9 ml
	AEB610573	
	AEB610576N	500 g 6 x 90 ml
	AEB610579N	6 x 100 ml
	AEB910575AF/2*	6 x 250 ml
LT100 (Eugon) - Agar	AEB121529N	100 x 15 ml
	AEB521529N	120 x 90 mm
	AEB521530N	20 x 90 mm
LT100 Supplemented (Eugon) - Broth	contact us	
		6 x 50 ml
		6 x 250 ml
TCS Capitol 4 - Broth		100 x 9 ml
	AEB112829N	100 X 9 ml
	AEB612822L	6 x 490 ml
	AEB612824	6 x 190 ml
	AEB612827	6 x 90 ml
	AEB812825G	8 x 990 ml
TCS Capitol 4 with glass beads - Broth	AEB112829B	100 x 9 ml
	AEB612822SB	6 x 490 ml
	AEB612824B	6 x 190 ml
	AEB612827B	6 x 90 ml



CULTURE MEDIA

REF.

Tryptcase Soy Agar

AEB522859

120

AEB522860

20

* Please consult us for availability in your country

Environmental Monitoring

Sample and Culture Media preparation systems

Identification



VITEK 2 Compact is an automated phenotypic identification system for routine microbial identification that provides less hands on time and quick identification results.
[Click here to find out more](#)

Challenge Tests

INOCULATION STRAINS	REF.	BioBall Strain
Multishot 10 exp8 in packs of 10 vials of <i>Aspergillus brasiliensis</i> 100 tests	410106	
Multishot 10 exp8 in packs of 10 vials of <i>Candida albicans</i> 100 tests	56145	10 vials
Multishot 10 exp8 in packs of 10 vials of <i>Escherichia coli</i> 100 tests	56146	
Multishot 10 exp8 in packs of 10 vials of <i>Pseudomonas aeruginosa</i> 100 tests	56147	10 vials
Multishot 10 exp8 in packs of 10 vials of <i>Staphylococcus aureus</i> 100 tests	56148	
Multishot 10 exp8 mixed kit for antimicrobial effectiveness testing 100 tests	56150	2 x 5 strains
Re-hydration fluid	56021	

COLONY COUNTER	REF.
Easycount 2 Colony counter	Aesem1011 EC2



NEUTRALIZING CULTURE MEDIA	REF.	
ChemBoost C - Broth	304-R3105-05AF* 306-R3105-01 306-R3105-02 399-R3105-04	6 x 49 ml 6 x 100 ml 100 x 9 ml
ChemBoost C with Beads*-Broth	306-R3116-01	6 x 49 ml
ChemBoost YM - Broth	306-R3128-01	6 x 20 ml
LPT - Broth	410849 AEB110569 AEB140562 AEB610564	100 x 9 ml 500 g 6 x 90 ml
LPT with glass beads - Broth	AEB110569B	100 x 9 ml
LT100 (Eugon) - Broth	contact us 42070 AEB110579N AEB140572N AEB610573 AEB610576N AEB610579N AEB910575AF/2*	6 x 50 ml 20 x 9 ml 100 x 9 ml 500 g 6 x 90 ml 6 x 100 ml 6 x 250 ml
LT100 (Eugon) - Agar	AEB121529N AEB521529N AEB521530N	100 x 15 ml 120 x 90 mm 20 x 90 mm
LT100 Supplemented (Eugon) - Broth	contact us	6 x 50 ml 6 x 250 ml 100 x 9 ml
TCS Capitol 4 - Broth	AEB112829N AEB612822L AEB612824 AEB612827 AEB812825G	100 X 9 ml 6 x 490 ml 6 x 190 ml 6 x 90 ml 8 x 990 ml

TCS Capitol 4 with glass beads - Broth

AEB112829B
AEB612822SB
AEB612824B
AEB612827B

100 x 9 ml
6 x 490 ml
6 x 190 ml
6 x 90 ml

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