

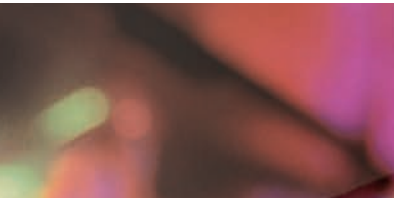


chromID™
by bioMérieux

GET
A CULTURE
AHEAD



BIOMÉRIEUX



P2

*GET A **CULTURE** AHEAD*



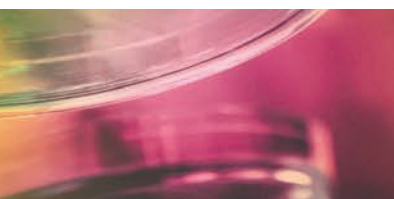
P13

***PRODUCT** INSIGHT*



P46

*LIST OF
MICRO-ORGANISMS*



P48

*LIST OF **CULTURE MEDIA**
AND ADDITIONAL PRODUCTS*





GET A **CULTURE** AHEAD

At bioMérieux, our commitment to bringing you innovative culture media solutions is based on a family history that goes back over a century. For generations, the Mérieux family has remained dedicated to improving public health by advancing the field of Microbiology through **a winning combination of science and industry.**

PIONEERS IN MICROBIOLOGY AND LABORATORY AUTOMATION

In the early 1970's, Alain Mérieux' vision was to create **the world's first automated culture media production facility**, in Craponne, France. The building of this facility resulted in a wave of innovation in industrial lab automation and new technologies. The possibility of having standardized, cost-effective pre-plated media started a revolution in laboratory workflow and quality. This bioMérieux production site is now the **largest culture media** facility in Europe.

Conscious of the power of automation, bioMérieux has continued to push back the limits of laboratory efficiency with FMLA*, bringing innovations such as **PREVI™ Isola** into your diagnostic and industrial labs for faster, more reliable test results and better patient management.

Committed to helping you meet your daily challenges, we've made some unique advances in microbiology. That's why this is the only catalogue where you'll find a **range of innovative chromogenic media: chromID™**. And in addition to the required controls, **ALL our media are backed by our unique Compatibility and Thermal Shock statement**, because our idea of service is to make your life easier by ensuring the quality of our products.

We wish you happy reading as you discover our Culture of commitment in the pages that follow.

* Full Microbiology Laboratory Automation™



P4

CULTURE OF PATIENT CARE



P6

CULTURE OF SERVICE



P8

CULTURE OF QUALITY



P10

CULTURE OF INNOVATION



CULTURE of PATIENT CARE

INFECTIOUS DISEASES, A WORLDWIDE CONCERN

In today's global environment, the emergence and **rapid transmission of infectious diseases** has become a major public health issue. Recognized as vital for the prevention of infectious diseases, *in vitro* diagnostic tools for **patient management** and surveillance have become an essential component of healthcare systems worldwide.

With over **100 years experience** in bacteriology, the history of **bioMérieux** is directly linked to the **fight against infectious diseases**; today, this continues to be the Company's strategic focus. At bioMérieux,

the patient is at the core of our strategic vision: we are committed to helping you deliver the right information to the right people more rapidly for better clinical outcomes.

Backed by our longstanding tradition and **know-how** as a world leader in this field, we are continually pushing back the frontiers of disease detection, providing you with **complete diagnostic solutions** to fight antibiotic resistance, healthcare-associated infections, respiratory infections and septicaemia.

THE LABORATORY: A PIVOTAL ROLE IN HEALTHCARE

Time-to-diagnosis and accuracy of treatment are paramount to clinical decision making and ultimately to patient health outcomes. As a microbiology laboratory, your primary objective is to deliver the most pertinent information to doctors as quickly as possible, so patients can receive the most appropriate treatments. Rapid, accurate *in vitro* diagnostic tests help you achieve this. They play a crucial role in **patient management**, as well as **reducing healthcare costs** and contributing to the fight against the development of **multidrug resistant bacteria**.

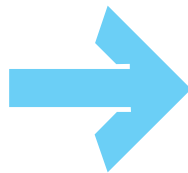
bioMérieux, A WORLD LEADER IN *IN VITRO* DIAGNOSTICS

With over 45 years experience at the forefront of *in vitro* diagnostics, our unique know-how and expertise make bioMérieux a reference in clinical microbiology.

Our innovative solutions for diagnosing infectious diseases provide high medical value information – helping to **optimize therapeutic decision-making for better patient care.**

IN THE WORLD OF MICROBIOLOGY, bioMérieux REPRESENTS

- The worldwide reference in *in vitro* diagnostics
- The most extensive line of chromogenic culture media available
- Diagnostic solutions recognized by the international scientific community



DIAGNOSTIC SOLUTIONS FOR LIFE-LONG HEALTHCARE

WE ARE COMMITTED TO PROVIDING COMPLETE DIAGNOSTIC SOLUTIONS, FOR EXAMPLE:

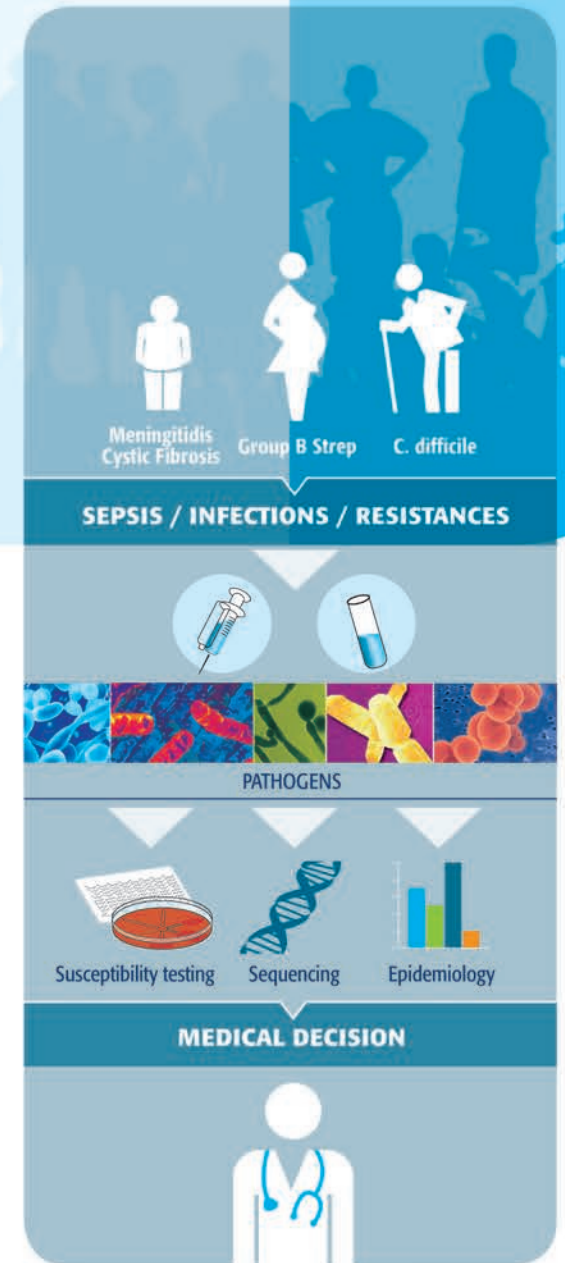
For the prevention of **group B streptococcal infections** in pregnant women and newborns

→ with a complete culture media range from specimens to susceptibility testing - in alignment with CDC* Guidelines - that can be combined to provide solutions to fit different laboratory needs.

For the prevention of **nosocomial infections**, such as *C. difficile*

→ with a rapid, cost-effective solution designed to help confirm infection, identify the origin, track the emergence of antibiotic resistance and support effective epidemiological monitoring.

* Centers for Disease Control and Prevention





6

CULTURE *of SERVICE*

A GLOBAL VISION WITH LOCAL SOLUTIONS

Thanks to our international presence, we offer innovative products that have been **tested and approved worldwide**, while our local networks meet your most specific needs. This dual 'local/global' aspect guarantees that **you will always have the right culture media, when and where you need it.**



BEHIND EACH MEDIA, A FULL RANGE OF SERVICES

For bioMérieux, being a leader means a commitment to providing you with **only the very best** products and services. To ensure you receive **first class assistance**, we have set-up a reactive local Customer Service network of specialists who understand your needs. At bioMérieux, there is **always a micro-biologist ready to answer your questions!**

WE ALSO OFFER:

- **a complete on-line Technical Library** where you can download all Package Inserts, Quality Control Certificates, Material Safety Data Sheets (MSDS), Non-hazardous Product Statements, Thermal Shock Statements and Compatibility Certificates
- **product training**, led by our in-house trainers with specific sessions on 'Quality' and 'Accreditation'
- **bioMérieux "Education days"**, on current themes, led by recognized experts in the field
- **local microbiology training** in your language: France, Germany, Greece, Poland, Spain, Portugal, ...
- **workflow audits**, carried out by our experts to streamline your organization and enhance your productivity
- **E-learning courses** on our products

THE CERTIFICATE OF COMPATIBILITY – MAKING YOUR DAILY LIFE EASIER

Setting-up new tests and acquiring accreditation can be costly and time-consuming. To help **lighten your workload**, bioMérieux verifies the compatibility of its product ranges and provides with each medium – **free of charge** – a Certificate of Compatibility: a validated document showing its compatibility with complementary bioMérieux tests.

As a result, we **can certify** that, for example, chromID™ CPS® agar, an isolation medium for urine specimens, is fully **compatible** with 23 identification reagents and with 10 AST reagents including VITEK®2 cards, API®, ATB™ strips and rapid tests.

The Certificate of Compatibility is a **ready-to-use document** that can be easily downloaded from the bioMérieux website Technical Library to your lab accreditation file.

Visit our website www.biomerieux.com/techlib

AT bioMérieux, SERVICE IS

- Being there to answer your questions and provide solutions
- A dedicated team of microbiologists
- Technicians and microbiologists trained in our centre
- A commitment to customer satisfaction



8

CULTURE of QUALITY

QUALITY BY bioMérieux, A TOTAL COMMITMENT

As **microbiologists**, we understand the increasingly demanding **regulatory context laboratories** face today and take an active approach to helping you meet your quality requirements. It is our policy to make sure you have the highest, **reproducible quality products** and services. We employ a rigorous Quality Assurance System that complies with the strictest standards, giving you the transparency and information you need.

Each product is accompanied by a bioMérieux Quality Control certificate, providing you with **complete traceability throughout the production process**. This puts all the controls performed – from raw materials up to the finished product – in **your hands** and ensures **inter-lot reproducibility**.

Going a step further, we recognise that **maximum flexibility** in the daily work routine of laboratory technicians can translate into being a culture ahead – while a lack of flexibility can leave you a culture behind. We are therefore the only company to provide a **“Thermal Shock Statement”** guaranteeing the shelf-life of your culture media for **1 to 4 weeks at 15-25 °C** (see table 1).

Our Quality System is certified ISO 9001 (2000) for all its activities and NF EN ISO 13485 (2004) for clinical activities, including culture media. Our products comply with Directive 98/79/CE (1998/10/27) relative to medical devices for *in vitro* diagnostic use and must meet strict security and safety requirements.

We also comply with several related norms to ensure **consistent product quality, user and patient safety, and a limited environmental impact**.

AT bioMérieux, QUALITY IS

- Dedicated quality control experts across our 8 production sites
- ISO 9001 (2000) certification for all our activities
- ISO 13485 (2004) certification for all clinical activities
- 110 000 technical documents available at www.biomerieux.com/techlib: quality control and compliance certificates...

■ NF EN 13612 «Performance evaluation of in vitro diagnostic medical devices» (2002), on the management, assessment and documentation of manufacturer performance evaluations. ■ NF EN 12322 «Culture media for microbiology/Performance criteria for culture media» (1999), on the performance of culture media used in microbiology labs (traceability, compatibility, reproducibility of product performance throughout the product's life cycle and suitability). ■ ISO 23640 (2012) Evaluation of stability of *in vitro* diagnostic reagents. ■ NF EN 375 «Information provided by the manufacturer with *in vitro* diagnostic reagents for professional use» (2001), concerning information provided by the manufacturer of *in vitro* diagnostic reagents. ■ NF EN 1041 «Information supplied by the manufacturer with medical devices» (2008), concerning information provided by the manufacturer of medical devices covered by the EU Directives. ■ NF EN 980 «Graphical symbols for use in the labelling of medical devices» (2008), on graphical symbols used on information provided by the manufacturer of medical devices. ■ ISO 15223 «Symbols to be used with medical device labels, labeling, and information to be supplied + amendments» (2010), concerning symbols conventionally used to convey information essential for the safe and effective use of medical devices. ■ Directive 94/62/CE «Packaging and packaging waste» (1994), on the harmonization of the various national measures relative to packaging and packaging waste, to offer maximal environmental protection and ensure the free circulation of goods between member countries.

PACKAGE INSERTS:

provide clear details on the performance of each culture medium.

QUALITY CONTROL

CERTIFICATES: for complete traceability of the production process, indicating performance criteria and collection strains used for the Quality Control of each lot of culture media.

KIT LABELLING:

information on shelf-life, storage temperature and guarantee of compliance with EC Regulations, using clear and easy symbols for all users.

PACKAGING:

specifically designed to limit environmental impact and help you reduce your waste volume and weight.

THE bioMérieux "TOTAL QUALITY CHAIN"

SHELF-LIFE AND STORAGE TEMPERATURE

Beyond testing our products for conformity with the regulation on "Stability testing of *in vitro* diagnostic reagents" we also validate their stability in a **real-life** situation in the lab: 4-week storage at 15-25°C.

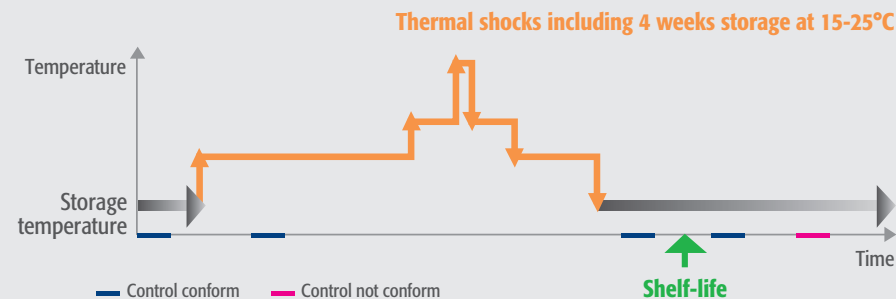
This is to ensure we offer **maximum flexibility** in the daily work routine of laboratory technicians.

STORAGE TEMPERATURE VALIDATION

Thermal shocks are variations in temperature that products may be subjected to during production or transportation. The **shelf-life** of our culture media is determined by real-time stability studies in which the media undergoes simulations of a break in the cold chain, including storage **at 15-25°C**.

The stability study consists of checking the conformity of appearance, pH, and bacteriological activity.

TABLE 1



EXAMPLE OF A THERMAL SHOCK PROTOCOL FOR PREPLATED MEDIA:

- Storage:
- 2-8°C
 - 10-15°C for 4 weeks
 - 18-25°C for 6 days, including 35-39°C for 8 hours
 - 15-25°C for 4 weeks
 - 2-8°C



CULTURE *of INNOVATION*

PARTNERSHIPS FOR PROGRESS: COLLABORATION AND NETWORKING

As a leader on the cutting edge, we work closely with innovators in the public and private sectors: research laboratories, community hospitals, biotechnology companies, the pharmaceutical industry, and the information technology and imaging industries. Through these stimulating collaborations, we actively engage in knowledge and experience sharing across several areas. The result is the application of novel approaches and technologies, **bringing improved diagnostics to your laboratory.**

Just one example is a long-term strategic partnership with the French Atomic Energy Commission (CEA), launched in 2010. Together with the CEA, we are developing **new image processing and spectroscopy technologies** to improve infectious disease diagnosis and management. Multidisciplinary programs are underway, with a focus on rapid bacterial detection and identification methods. Significant steps have already been made in the field of mass spectroscopy, paving the way for future diagnostic advances.

THE DIGITAL PETRI DISH: TAKING YOU INTO THE FUTURE

Culture time is currently the longest step in the diagnostic process. Imagine if you could cut back on culture time by reading microcolonies, which are undetectable to the human eye. With **new image processing technologies** integrated in an innovative module, we are pushing back the limits of automated Petri dish reading to bring the Petri dish into the digital age, while conserving the biological advantages of culture media.

50 YEARS OF INNOVATION IN MICROBIOLOGY

With over **a century of experience** in biology and *in vitro* diagnostics, expertise and innovation are a **tradition** in the Mérieux family. Naturally, at bioMérieux, R&D is a primary strategic focus that we back with considerable investment. Understanding and anticipating progress, seizing opportunities and integrating new technologies are some of the key objectives we set ourselves. We are dedicated to being your partner of choice in the fight against infectious diseases.

INNOVATION AT bioMérieux SINCE 1963, IS

- hundreds of patents submitted in 166 files
- more than 10 new culture media products marketed within 2 years
- 10 R&D sites worldwide, with 3 entirely dedicated to culture media research



THE **chromID**[™] RANGE by bioMérieux

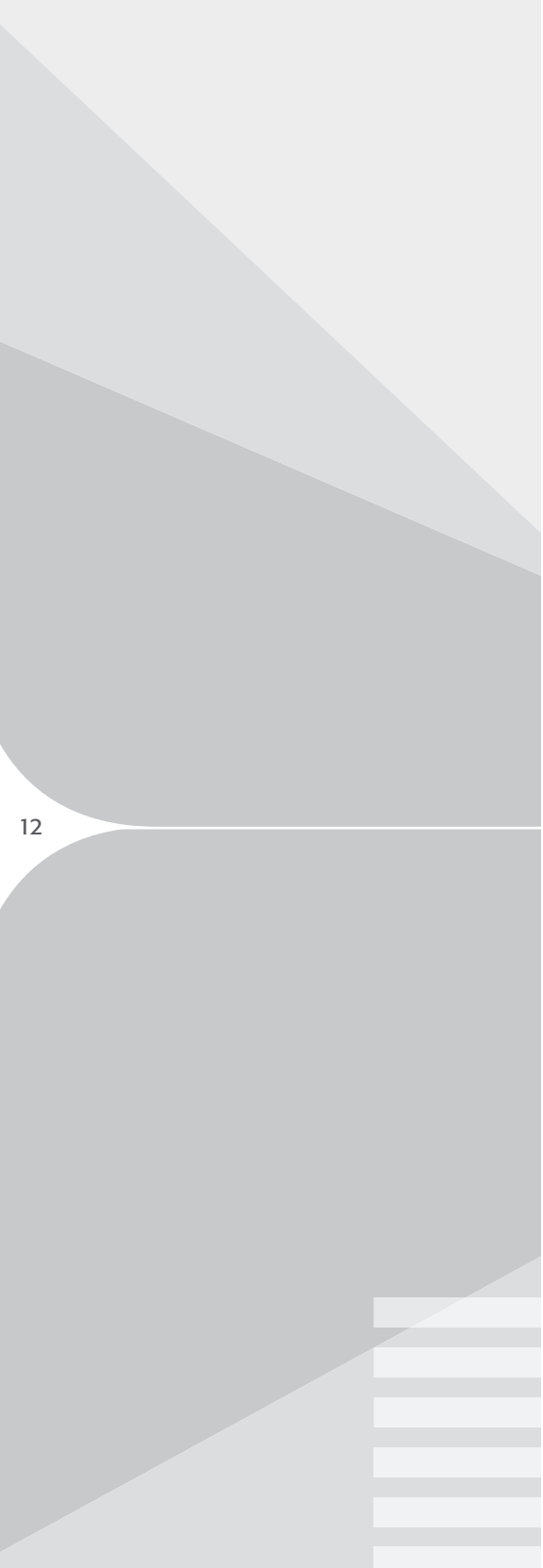
MAKING YOUR DAILY LIFE EASIER

With chromID[™], bioMérieux offers you an extensive range of high medical-value chromogenic media for the simultaneous culture and identification of micro-organisms.

PREVI[™] Isola

STREAKS AHEAD: REVOLUTIONIZE YOUR WORKFLOW

With PREVI[™] Isola, bioMérieux has taken automated sample inoculation to another level. Its innovative applicator uses high precision technology to standardize, to increase numbers of isolated colonies to optimize colony inoculation.



PRODUCT INSIGHT

P. 14

Chromogenic Media for the fight against Healthcare Associated Infections (HAI)

P. 18

Chromogenic Media for Prevention of perinatal Group B Streptococcal diseases

P. 20

Chromogenic Media for detection of pathogens in cystic fibrosis patients

P. 22

Chromogenic Media for Direct Identification

P. 26

Blood Agar: Complex, Selective and Differential Media

P. 31

Specific Media: Selective Isolation for Specific Organisms

P. 38

Simple Media: Isolation of Organisms

P. 42

Media for Susceptibility Testing - Etest strips

P. 44

Media for Environmental Controls: Surfaces, Air, Water



True
colours

chromIDTM
by bioMérieux

**An extensive range
of chromogenic media
for the simultaneous
culture and identification
of micro-organisms**

With chromIDTM bioMérieux offers you an extensive range of chromogenic media for the simultaneous **culture** and **identification** of micro-organisms.

Designed to meet your increasing daily challenges, these high quality media provide you with reliable results and true peace-of-mind.

Our recognised expertise in **culture**, **identification** and **susceptibility testing** naturally led us to pioneer the chromogenic media concept back in 1989. Since then, we have continued to create innovative chromogenic solutions to meet your everyday needs.

chromID™ CARBA

For the screening of Carbapenemase producing *Enterobacteria* (CPE)

chromID™ CARBA agar is a selective chromogenic medium for the screening of Carbapenemase-Producing *Enterobacteriaceae* (CPE) in patients who are chronic carriers or in patients at risk.

chromID CARBA agar consists of a nutrient base combining different peptones, three chromogenic substrates which enable the detection of activities of specific metabolic enzymes for *E. coli*, *Klebsiella/Enterobacter/Serratia/Citrobacter* and *Proteae*, and a proprietary mixture of antibiotics favouring the selective growth of carbapenemase-producing *Enterobacteriaceae*.

CPE are particularly multi-resistant bacteria that are capable of causing nosocomial infections and hospital epidemics. The detection of CPE carriers is important for the prevention and epidemiological monitoring of these infections. In this context, the use of chromID™ CARBA agar contributes to the active surveillance of CPE.

chromID™ CARBA agar

Ref. 43 861 • kit of 20 plates

chromID™ C. difficile agar

Direct Identification of *Clostridium difficile* in 24 hours

chromID *C. difficile* agar is a selective chromogenic medium for the detection and identification of *Clostridium difficile* in stools of symptomatic patients.

The medium contributes to the diagnosis and epidemiological monitoring of *Clostridium difficile* infections.

Clostridium difficile is a causative agent of pseudomembranous colitis and more generally of nosocomial or antibiotic-associated diarrhea.

chromID *C. difficile* agar consists of a rich nutritive base combining different peptones, taurocholate which favors the germination of spores and a chromogenic substrate (patented) which enable the detection of specific metabolic enzymes for *Clostridium difficile*, and a mixture of antibiotics for the inhibition of most Gram-positive and Gram-negative bacteria, yeasts and molds.

chromID C. difficile agar

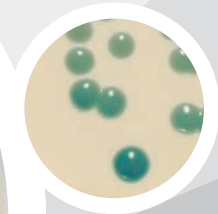
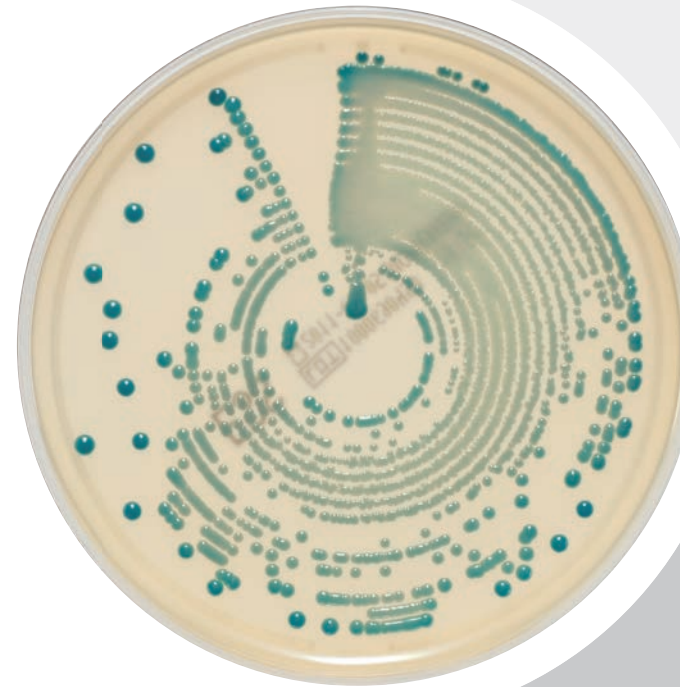
Ref. 43 871 • kit of 20 plates

Clostridium difficile agar

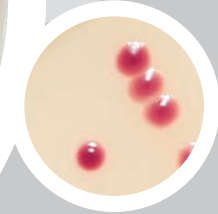
Ref. 43 431 • kit of 20 plates

chromID CARBA

Incubation: 18-24 hours
K. pneumoniae ATCC® BAA 1705



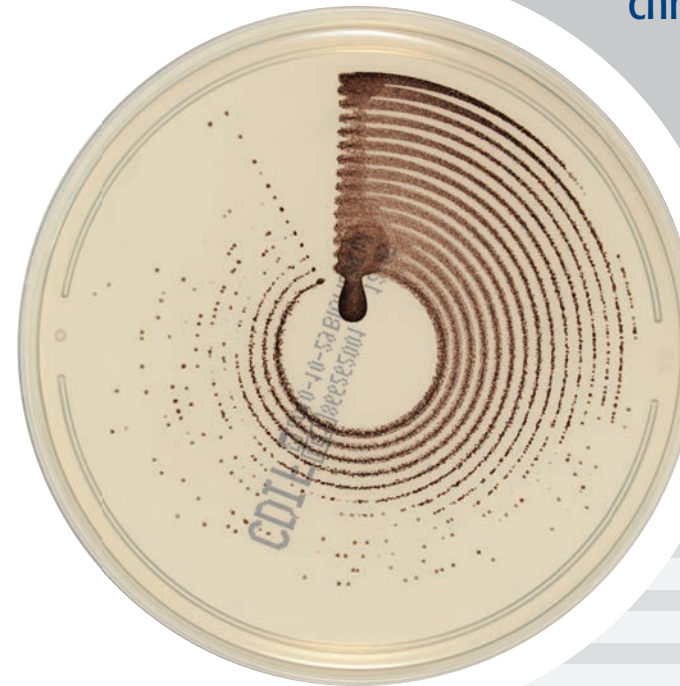
zoom x2



E. coli 1011230
zoom x2

chromID C. difficile agar

Incubation: 24 hours
C. difficile ATCC® 700057



Incubation: 48 hours
C. difficile
ATCC® 9689
zoom x2



zoom x2

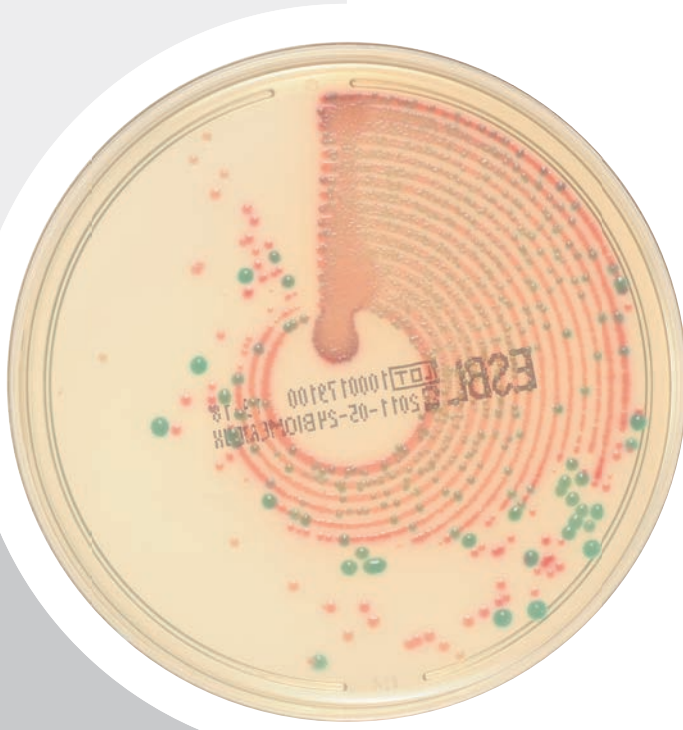
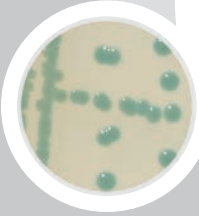
chromID ESBL

Incubation: 18-24 hours

E. coli
CIP 103982



K. pneumoniae
ATCC® 700603
zoom x 2



chromID™ ESBL

For the screening of Extended-Spectrum β -lactamase producing *Enterobacteria* (ESBL)

chromID ESBL agar contains:

- A mixture of antibiotics, including cefpodoxime, enabling the selective growth of ESBL-producing enterobacteria (patented).
- Two chromogenic substrates and one natural substrate enabling the direct identification of the most frequently encountered ESBL-producing enterobacteria (patented).

- *Escherichia coli*: spontaneous coloration (pink to burgundy) of β -glucuronidase-producing strains.
- *Klebsiella, Enterobacter, Serratia, Citrobacter*: spontaneous green, brownish-green or blue colouration of strains expressing a β -glucosidase.
- *Proteeae (Proteus, Providencia, Morganella)*: spontaneous dark brown to light brown colouration of strains expressing a deaminase.

chromID ESBL agar

Ref. **43 481** • kit of 20 plates

Whereas identification to the species or group level is direct, ESBL production must be confirmed by additional tests.

chromID™ MRSA

For the direct screening of methicillin-resistant *S. aureus* (MRSA) in 18-24 hours

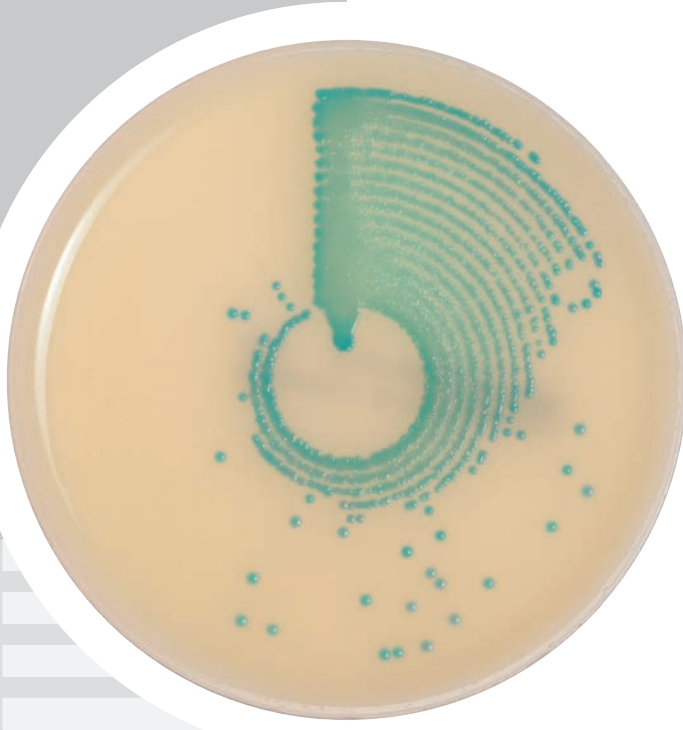
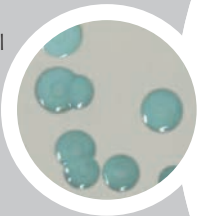
chromID MRSA is dedicated to the surveillance culture or screening of MRSA to identify hospitalized patients requiring isolation. The screening of MRSA carriers with surveillance cultures is a key step in the fight against nosocomial infections. chromID MRSA has been

developed to answer this major health concern. Identification of MRSA strains is based on the spontaneous green colouration of α -glucosidase-producing colonies and the presence of a mixture of antibiotic.

chromID MRSA

Incubation: 18 hours
S. aureus ATCC® 43 300
Ref. 43472

MRSA from a nasal swab specimen.
Image provided by Sullivan & Nicolaidis Pathology, Brisbane, Australia - Ref. 43451



chromID MRSA

Ref. **43 472** • kit of 20 plates
Ref. **43 479** • kit of 100 plates
Ref. **43 451** • kit of 20 plates
Ref. **43 459** • kit of 100 plates
Ref. **43 841** • kit of 20 plates⁽¹⁾

Enrichment broth

Brain-Heart broth
Ref. **42 081** • kit of 20 tubes
Todd-Hewitt broth + antibiotics
Ref. **42 116** • kit of 20 tubes

Agglutination Tests

Slidex MRSA Detection
Ref. **73 117** • kit of 50 tests

(1) For USA only FDA approved

chromID™ MRSA / chromID™ S.aureus

For a better follow-up of *S.aureus* epidemiology

Chromogenic medium for the screening of methicillin-resistant *Staphylococcus aureus* (MRSA). Chromogenic medium for the selective isolation of staphylococci and the direct identification of *S. aureus*.

Association of chromID MRSA and chromID *S.aureus* for the direct identification of *S.aureus* and MRSA for surveillance culture of *S.aureus* and MRSA from nasal, axillary, inguinal or peritoneal samples.

chromID MRSA /
chromID *S.aureus*

Ref. 43 466 • kit of 20 biplates

chromID™ VRE

For the screening of *E. faecium* and *E. faecalis* showing acquired Vancomycin resistance (VRE)

chromID VRE contains two chromogenic substrates (α -Glucosidase & β -Galactosidase) and Vancomycin (8 mg/l) which enable:

- Direct identification of *E. faecium* and *E. faecalis* after 24 hour incubation.
- Specific and selective isolation & detection of acquired Vancomycin-Resistant enterococci (Van A, Van B).

- Characteristic colouration of colonies with:
Bluish-green colour = *E. faecalis*
Violet colour = *E. faecium*

The selective mixture inhibits:

- enterococci with natural resistance (ie. *E. casseliflavus* and *E. gallinarum*...)
- most Gram-negative and Gram-positive bacteria as well as yeasts.

chromID VRE

Ref. 43 004 • kit of 20 plates
Ref. 43 851 • kit of 20 plates ⁽¹⁾

Brain-Heart infusion broth

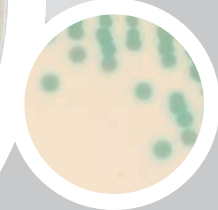
Ref. 42 081 • kit of 20 tubes

chromID MRSA / chromID *S.aureus*

Incubation: 24 hours
S. aureus ATCC® 43300



zoom x2

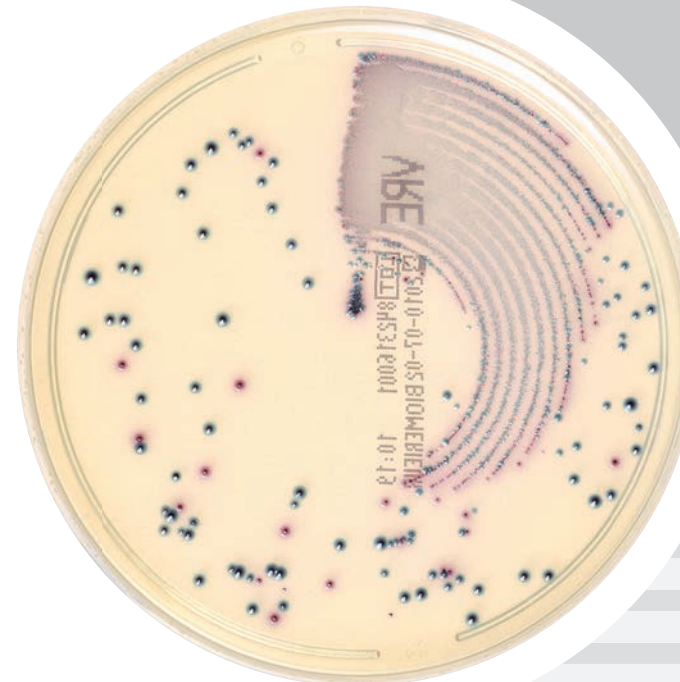


zoom x2

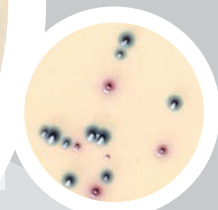
17

chromID VRE

Incubation: 24 hours



E. faecalis
ATCC® 51299
zoom x 2



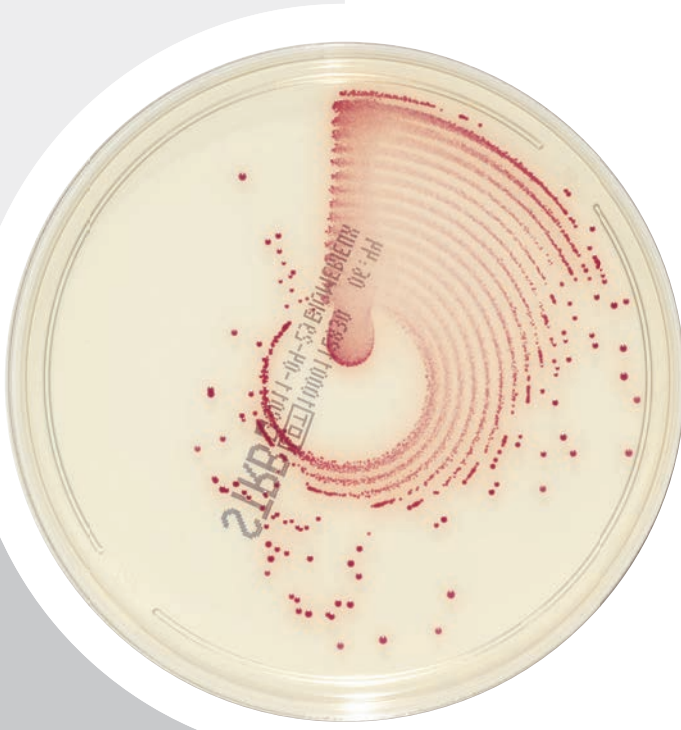
E. faecalis
E. faecium
CCUG 36804
zoom x 2

chromID Strepto B

Incubation: 24 hours
S. agalactiae ATCC® 12386



Enterococcus S. agalactiae from vaginal specimens zoom x2



chromID™ Strepto B

For the screening of all *S. agalactiae* in pregnant women

- Three chromogenic substrates to optimise the identification of all gr. B Streptococcus = pale pink to red colonies which are round and pearly after 18-24 hour incubation.
- Excellent performance for the GBS prenatal screening in terms of nutrient capacity and sensitivity of detection.
- Detection of all GBS strains, including non β-hemolytic strains.
- Differentiation of mixed cultures.
- Selective inhibition of most bacteria not belonging to the species *S. agalactiae*, as well as yeasts.

Incubation in aerobic conditions.

chromID Strepto B

Ref. **43 461** • kit of 20 plates

SLIDEX Strepto Plus B

Ref. **58 819** • kit of 50 latex tests

Todd-Hewitt broth + antibiotics

Ref. **42 116** • Kit of 20 x 9 ml tubes

SLIDEX Strepto Plus

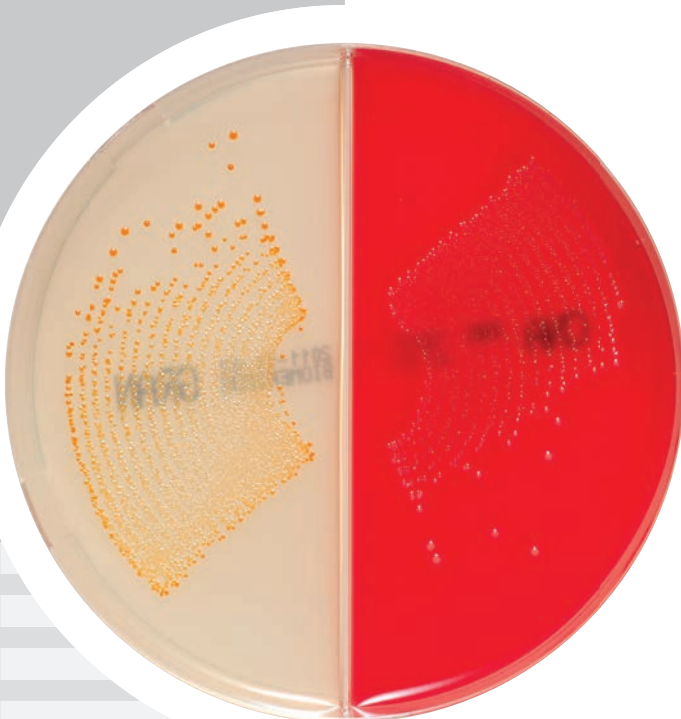
Ref. **58 811** • kit of 50 latex tests

18

Granada / Columbia CNA agar + 5% sheep blood

Incubation: 24 hours

S. agalactiae ATCC® 12386 zoom x2



Granada™ / Columbia CNA agar + 5% sheep blood

For enhanced *Streptococci* epidemiology follow up

Selective medium for the screening and identification of group B streptococci (*S. agalactiae*) / Selective isolation of fastidious bacteria. Detection of hemolysis.

The Granada agar allows the direct identification of GBS and the Columbia agar part allows the isolation of GBS non hemolytic and Group A Streptococci which may be responsible of meningitis, pneumonia, puerperal sepsis.

Incubation in anaerobic conditions.

Granada / Columbia CNA agar + 5% sheep blood

Ref. **43 467** • kit of 20 biplates

Genbag / Genbox

See page 37

Granada™ agar

Selective agar for the screening and direct identification of *S. agalactiae*

Granada agar is a selective medium for the screening and direct identification of *Streptococcus agalactiae* carriage in pregnant women and newborns using clinical specimens

(anovaginal and urine samples from pregnant women, or ingested gastric fluid from newborns). The medium was first described by Dr De La Rosa and al.

Incubation in anaerobic conditions.

Granada agar

Ref. **43 712** • kit of 20 plates

Todd-Hewitt broth
+ antibiotics

Ref. **42 116** • Kit of 20 x 9 ml tubes

Genbag / Genbox

See page 37

Granada Biphasic broth

Selective broth for the screening and direct identification of *S. agalactiae*

Granada biphasic broth enables in a single test:
Direct specimen inoculation - Transportation -
Enrichment - Culture - Identification

Highly Economical: it provides significant time and workload savings

Total Flexibility:

- the tube can be used both in labs or for delocalised patient sampling and inoculation followed by immediate incubation of GBS within 18-24 hours
- storage: at room temperature
- incubation takes place in an aerobic atmosphere

Granada Biphasic Broth

Ref. **42 722** • kit of 40 tubes

API® suspension MEDIUM

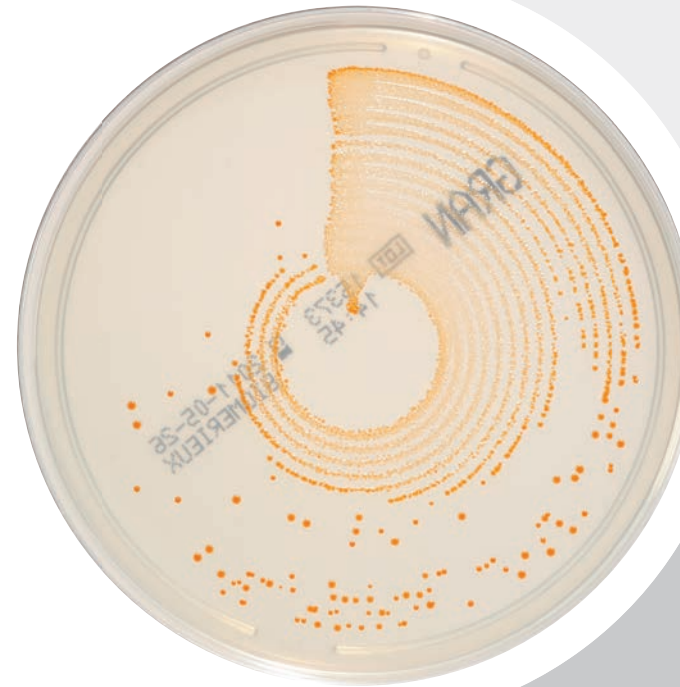
Ref. **70 640** • kit of 100 ampoules (3 ml)

PSIpettes

Ref. **70 250** • kit of 400 units (5 ml)

Granada agar

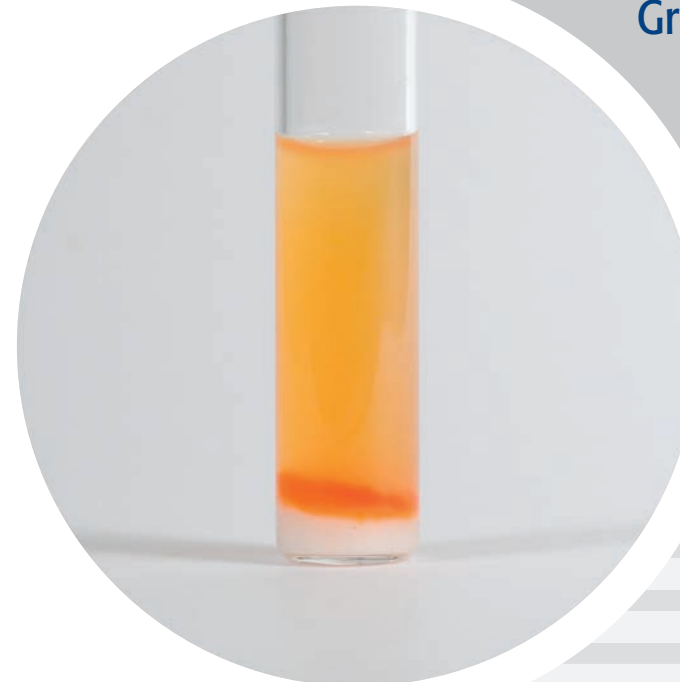
Incubation: 18-24 hours



S. agalactiae
ATCC® 12386
zoom x2

Granada Biphasic broth

Incubation: 18-24 hours
S. agalactiae ATCC® 12386



chromID *S. aureus*

Incubation: 24 hours
S. aureus ATCC® 25923

S. aureus
(green colonies),
S. saprophyticus
(pink colonies),
S. xylosus
(mauve colonies)

S. epidermidis
(white colonies)



chromID™ *S. aureus*

For the the direct identification of *S. aureus*

Direct identification of *S. aureus* is based on the spontaneous green colouration of glucosidase-producing colonies (patent pending).

Rapidity with the immediate identification of *S. aureus* = Green colonies (reading between 18 and 24 hours).

- Excellent performance for the culture of *S. aureus* in terms of nutrient capacity, detection sensitivity and colouration specificity.
- Optimum differentiation of mixed cultures due to the presence of a 2nd substrate.
- Orientation of identification towards Staphylococci = *S. epidermidis* (white colonies), *S. saprophyticus* (pink colonies), *S. xylosus* (mauve colonies).

Inhibition of other bacteria (Gram + and Gram -) and yeasts.

chromID *S. aureus*

Ref. **43 371** • kit of 20 plates

chromID MRSA /
chromID *S. aureus*

Ref. **43 466** • kit of 20 tests

Slidex® MRSA

Ref. **73 117** • kit of 50 tests

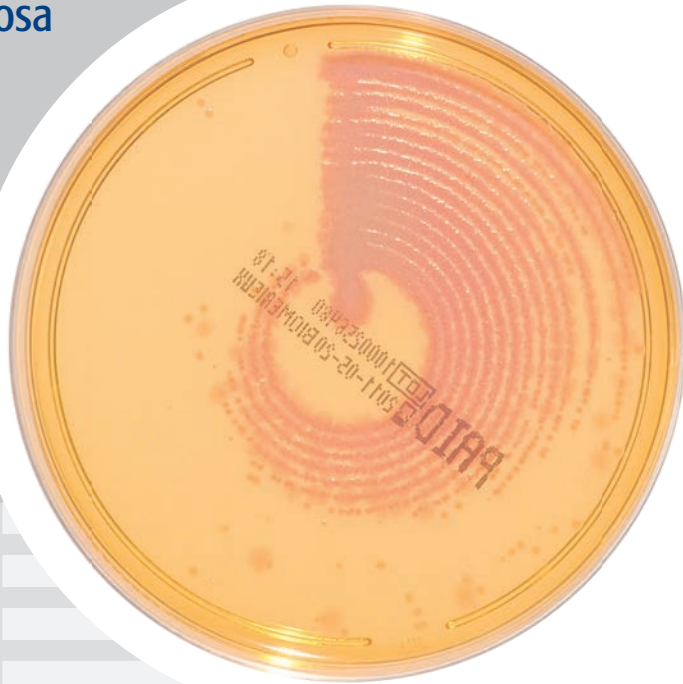
20

chromID *P. aeruginosa*

Incubation: 24 hours
P. aeruginosa ATCC® 27853

P. aeruginosa
morphotypes
in cystic fibrosis
specimens

Visualisation of
golden-metallic
coloured
P. aeruginosa
colonies
zoom x3



chromID™ *P. aeruginosa*

For the direct identification of *Pseudomonas aeruginosa*

The direct identification of *P. aeruginosa* is based on the specific pink to violet coloration of aminopeptidase-producing colonies due to the chromogenic substrate β-alanyl-resorufamine (2 bioMérieux patents).

chromID *P. aeruginosa*

Ref. **43 462** • kit of 20 plates

BCSA agar

Selective isolation of *Burkholderia cepacia*

BCSA agar (*Burkholderia cepacia* Selective Agar) is a medium recommended for the selective isolation and detection of the species *Burkholderia cepacia* complexe from clinical specimens of mainly respiratory origin (sputum and bronchoalveolar washing) in patients suffering from cystic fibrosis.

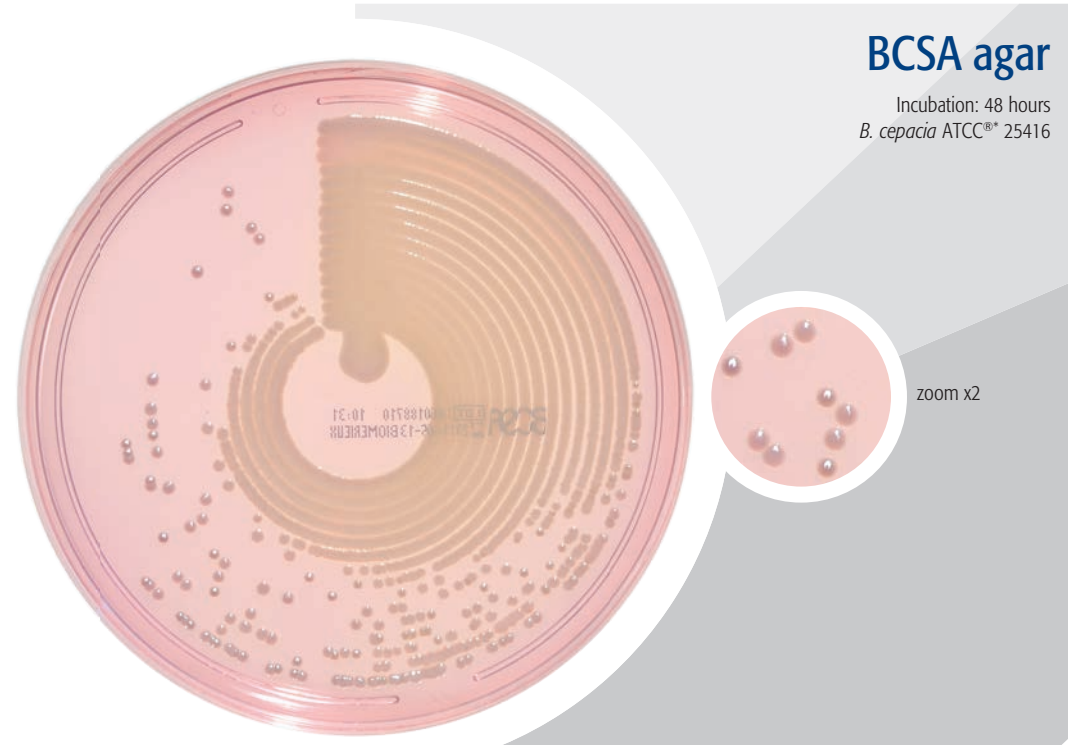
The presence of a peptone base and sugars enable optimum growth of the micro-organisms.

BCSA agar

Ref. **33 631** • kit of 20 plates

Crystal violet and the antibiotics present in the medium inhibit most microbial species (inhibition of *Pseudomonas* species).

A high volume of agar per plate enables good performance for culture at 72 hours.



BCSA agar

Incubation: 48 hours
B. cepacia ATCC® 25416

zoom x2

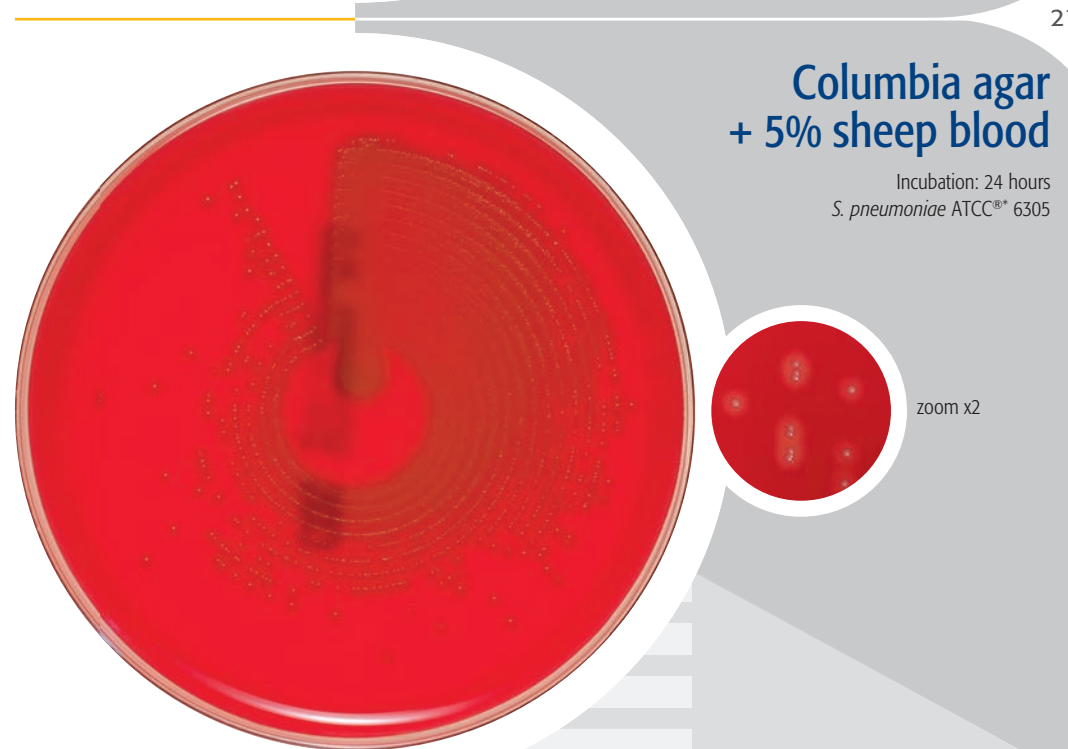
Other culture media

For the recovery of other micro-organisms involved

Columbia agar + 5 % sheep blood for the recovery of *Streptococcus* spp including *Streptococcus pneumoniae*

Chocolate agar + PolyViteX™ for the recovery of *Haemophilus* and others fastidious organisms

Mac Conkey agar for the recovery of *Enterobacteriaceae*



Columbia agar + 5% sheep blood

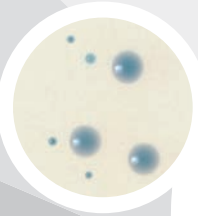
Incubation: 24 hours
S. pneumoniae ATCC® 6305

zoom x2

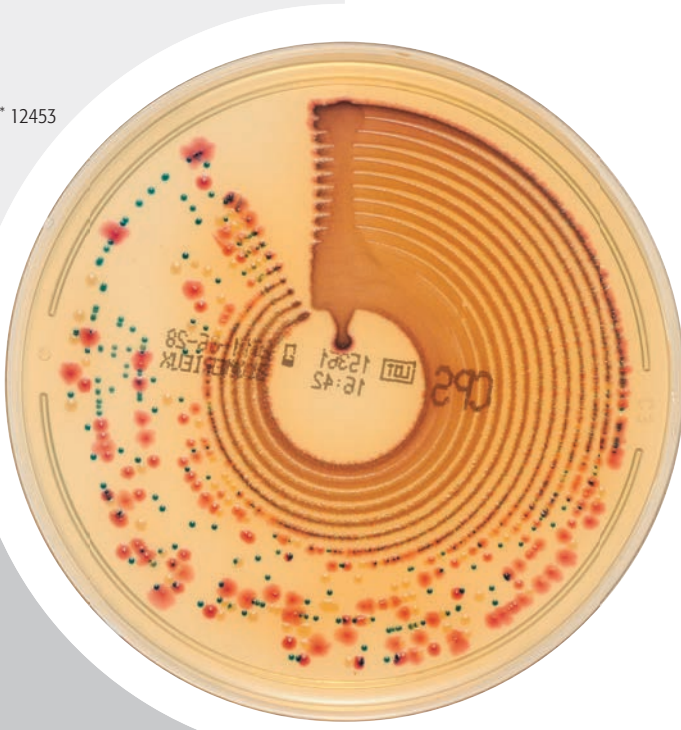
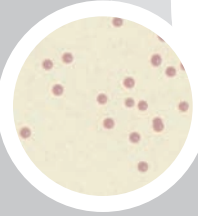
chromID CPS

Incubation: 18-24 hours
E. coli ATCC® 25922 • *Proteus mirabilis* ATCC® 12453
 and *Enterococci* ATCC® 29212

K. pneumoniae
Enterococci
 zoom x2



S. saprophyticus
 zoom x2



chromID™ CPS®

for the isolation, enumeration and direct identification of *E. coli*, *Proteus* and *Enterococci* and KESC in one single step using urine specimens

Isolation and enumeration of all urinary tract pathogens. Colonies are well isolated and easy to identify with real differentiating colours. Microbial enumeration with colourless background to optimise colony counting.

Direct identification: chromID CPS contains specific substrates of the enzymatic activities to be detected.

Ease-of-use:

- *E. coli*: No indole test required.
- *Proteus*: spontaneous colouration of colonies producing deaminase.
- *Enterococci*.

Reliability:

- Nutrient capacity.
- Sensitivity of detection and specificity of colouration for the main organisms usually found in urine.
- Identification of the bacterial group KESC.

Storage: shelf-life includes 1 week storage at 15°-25°C.

chromID CPS agar

Ref. **43 821** • kit of 20 plates

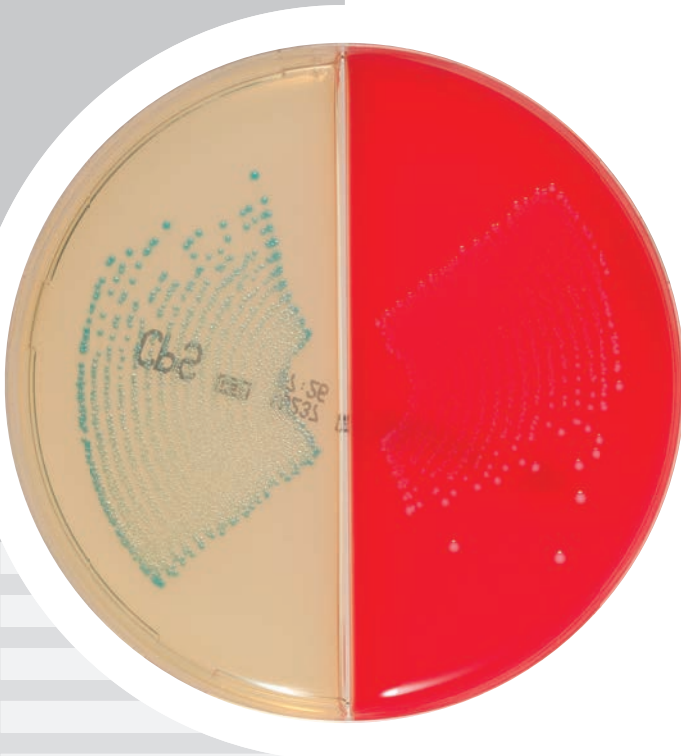
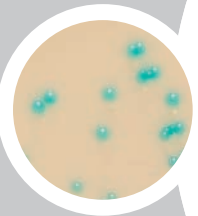
Ref. **43 829** • kit of 100 plates

22

chromID CPS / Columbia CNA + 5% sheep blood

Incubation: 24 hours
Enterococcus faecalis ATCC® 29212

zoom x2



chromID™ CPS® / Columbia CNA + 5% sheep blood

Chromogenic medium for the enumeration of organisms in urine specimens and the direct identification of *Escherichia coli*, *Enterococcus*, KESC and *Proteaeae*.

Selective isolation of fastidious bacteria.

Determination of hemolysis.

chromID CPS / Columbia CNA + 5% sheep blood

Ref. **411 617** • kit of 20 biplates

Ref. **43 473** • kit of 20 biplates

chromID™ Candida

for the selective isolation of yeasts and the direct identification of *Candida albicans* in 24 hours

Candida albicans colonies are coloured blue by the specific hydrolysis of a hexosaminidase chromogenic substrate (bioMérieux patent).

The hydrolysis of a second substrate (pink colouration) differentiates mixed cultures and orients identification of other species colonies (bioMérieux patent).

Immediate identification of *C. albicans* in just 24 hours* = Blue colonies
Greater intensity for *C. albicans* colonies.

- Optimum differentiation of mixed cultures
- Orientation of identification towards *Candida* (*C. tropicalis*, *C. lusitanae* and *C. kefyr*) = pink colonies
- White colonies characteristic aspect = orientation towards yeasts or filamentous fungi

chromID Candida agar

Ref. 43 631 • kit of 20 plates

Ref. 43 639 • kit of 100 plates

chromID™ Candida / Sabouraud Gentamicin Chloramphenicol 2

For greater visualisation of colonies

Selective isolation of yeasts and direct identification of *Candida albicans*.

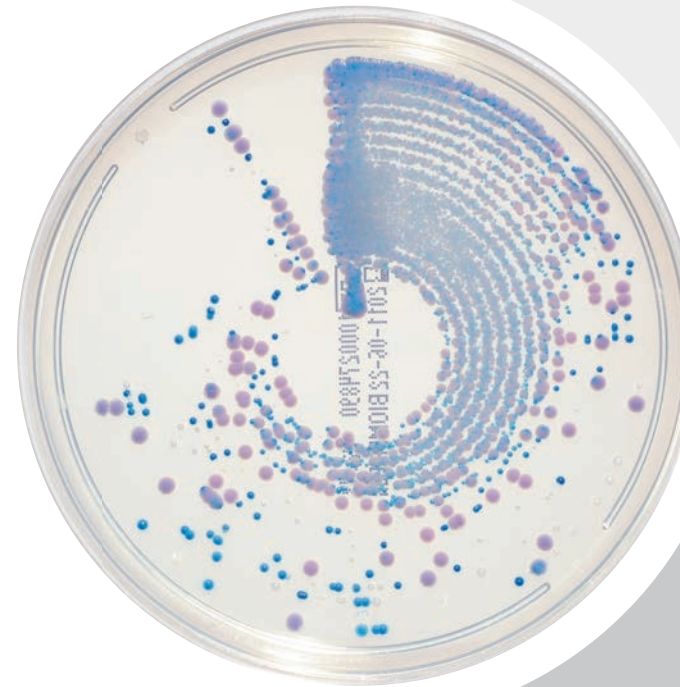
Selective isolation of yeasts and mould.

chromID Candida / SGC2

Ref. 43 464 • kit of 20 biplates

chromID Candida

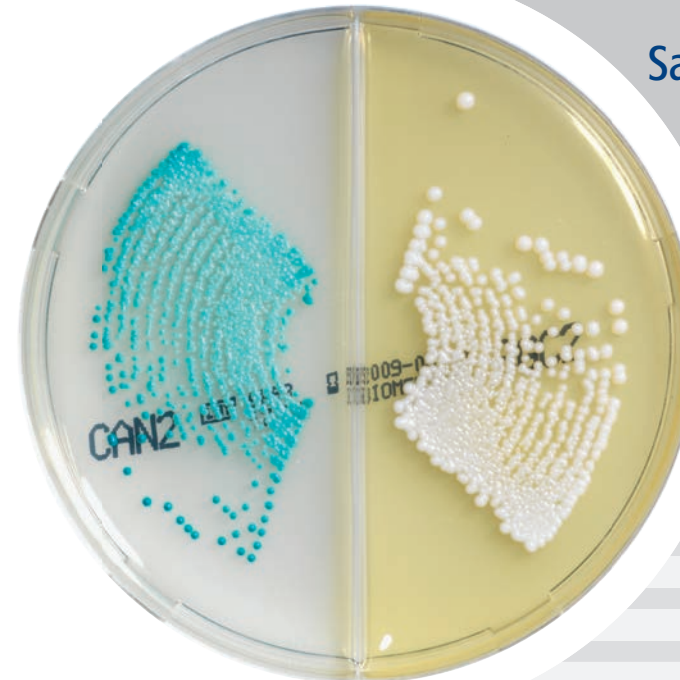
Incubation: 48 hours
C. albicans ATCC® 10231,
C. glabrata ATCC® 90030,
C. tropicalis ATCC® 9968



24 hours
C. albicans
ATCC® 10231
C. krusei
ATCC® 6250
zoom x2

chromID Candida / Sabouraud Gentamicin Chloramphenicol 2

Incubation: 48 hours
C. albicans ATCC® 10231

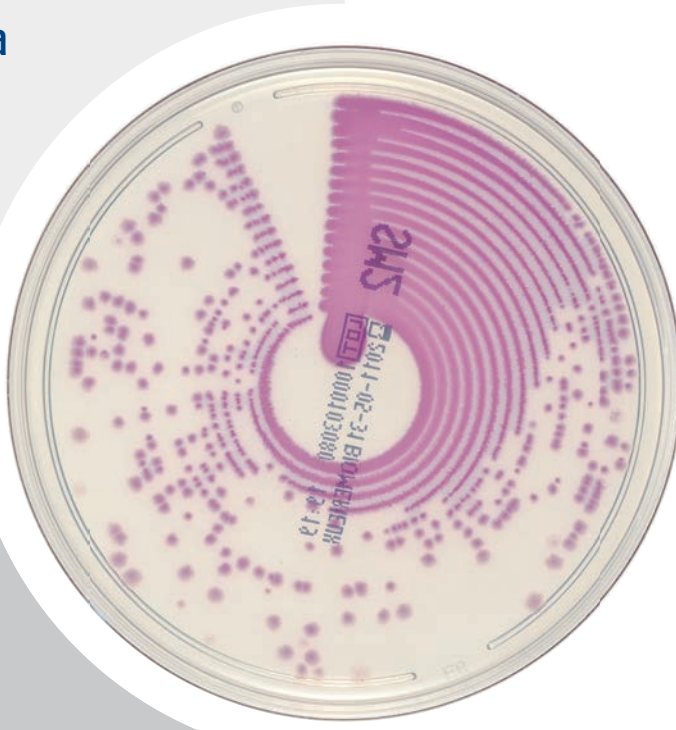
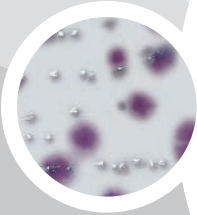


Aspergillus niger
zoom x2

chromID Salmonella

Incubation: 24 hours
S. typhimurium ATCC® 14028

S. enteritidis,
P. vulgaris
 zoom x2



chromID™ Salmonella

For the selective isolation of all *Salmonella* serotypes

Three chromogenic substrates optimize the selective isolation and differentiation of *Salmonella*:

- Specific detection of the esterase enzymatic activity on a colourless background = Pale-pink to mauve colonies for *Salmonella* (reading between 18 to 24 hrs)
- Differentiation of other bacteria (colonies of a different colour)
- Inhibition of Gram-positive bacteria and yeasts.

The nutrient capacity, colour intensity, sensitivity of detection and specificity of colouration, ensure optimum differentiation of mixed cultures.

chromID Salmonella enables the detection of serotype Typhi, Paratyphi and most *Salmonella* Lactose +.

chromID Salmonella agar

Ref. **43 621** • kit of 20 plates
 Ref. **43 621** • kit of 20 plates

Selenite F broth

Ref. **42 099** • kit of 20 tubes

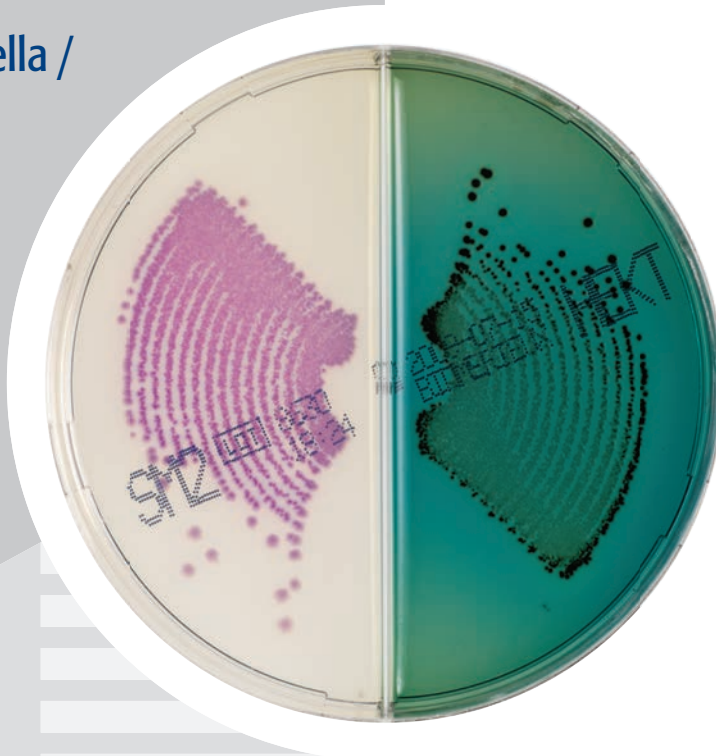
Rappaport broth

Ref. **42 091** • kit of 20 tubes

24

chromID Salmonella / Hektoen

Incubation: 24 hours
S. typhimurium ATCC® 14028



chromID™ Salmonella / Hektoen

For simultaneous detection of *Salmonella* and *Shigella*

Chromogenic medium for the selective isolation and differentiation of the genus *Salmonella*.
 Selective isolation of *Salmonella* and *Shigella*.

chromID Salmonella /
 Hektoen

Ref. **43 465** • kit of 20 biplates

chromID™ Vibrio

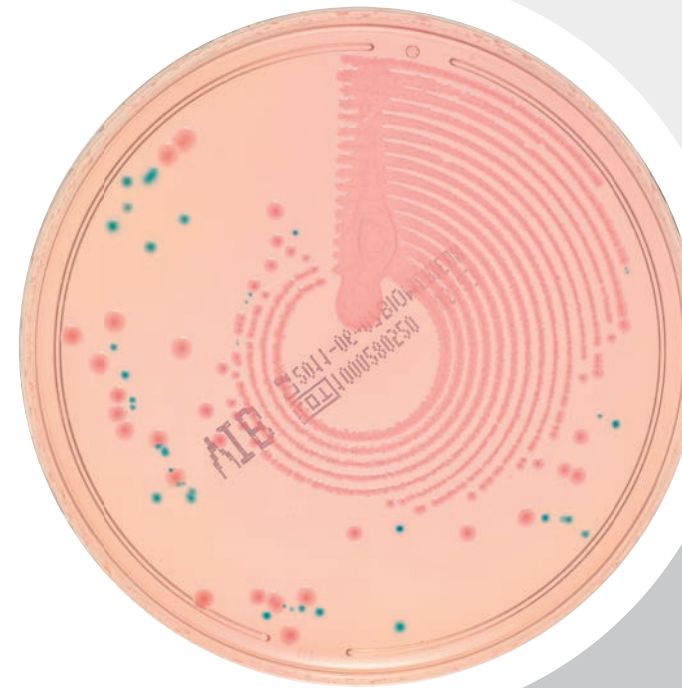
For the selective isolation of *Vibrio*

Presumptive identification of *V. cholerae* is based on the blue-green colouration of beta Galactosidase-producing colonies.

Differentiation of *V. parahaemolyticus*: Pink colonies based on arabinose assimilation.

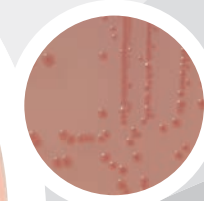
chromID Vibrio agar

Ref. 43 762 • kit of 20 plates

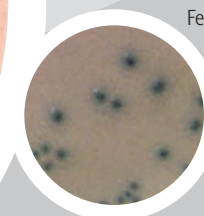


chromID Vibrio

Incubation: 24 hours
V. cholerae ATCC® 14035
V. parahaemolyticus ATCC® 17802



Vibrio parahaemolyticus
 Incubation:
 24 hours



Fecal culture naturally contaminated by *V. cholerae*.
 Images from Dr Scheffel, Institut de Bactériologie, Strasbourg, France.
 zoom x2

chromID™ O157:H7

For the selective isolation and presumptive identification of *E. coli* O157:H7

ChromID O157:H7, an innovative chromogenic medium enabling easy differentiation between the O157:H7 serotype and other micro-organisms:

- identification of *E. coli* O157:H7 after only 24 hrs of incubation at 37°C
- characteristic green to blue-green colour of *E. coli* O157:H7 colonies
- more fertile than SMAC medium, and equally selective

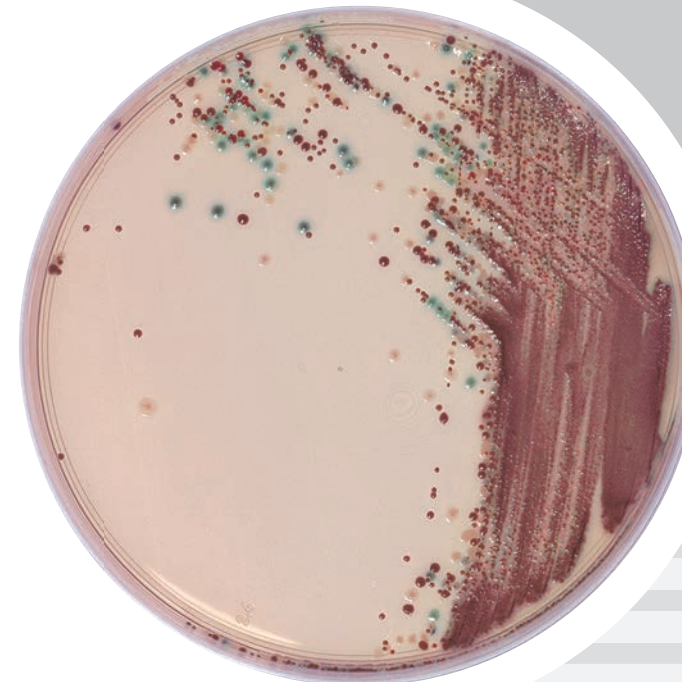
- inhibition of Gram-positive bacteria and yeasts
- increase in selectivity with respect to Gram-negative bacteria by adding Cefixime Tellurite, for highly contaminated samples.

chromID O157:H7

Ref. 42 605 • 6 x 200 ml bottles

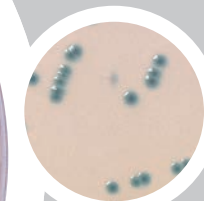
cefixime tellurite mixture

Ref. 42 606 • 6 x 4 ml (lyo)

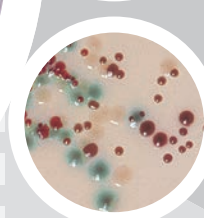


chromID O157:H7

Incubation: 24 hours
E. coli O157:H7 ATCC® 43890
Citrobacter freundii ATCC® 8090
E. coli ATCC® 11229
Proteus mirabilis ATCC® 12453



E. coli O157:H7
 zoom x2



Citrobacter Proteus
 Other *E. coli*
E. coli O157:H7
 zoom x2



Culture media

Blood agar (complex, selective and differential media), specific media (selective isolation for specific organisms) and simple media (isolation of organisms) complete the culture media range beside chromID range.

The culture media are controlled at each stage of production: from medium design through to manufacturing with perfect traceability.

By means of rigorous raw material selection, significant control of production and shelf-life validation according to a procedure including thermal shocks, performance and robustness are guaranteed batch to batch.

Columbia agar + 5% sheep blood

Isolation of fastidious bacteria
Detection of hemolysis

Columbia agar is an isolation medium specially designed to facilitate the growth of fastidious micro-organisms.

Supplemented with sheep blood, it is highly nutritious and therefore adapted to the culture of most bacterial species, regardless of their metabolism.

Columbia agar
+ 5% sheep blood

Ref. **43 041** • kit of 20 plates
Ref. **43 049** • kit of 100 plates

Columbia CNA agar + 5% sheep blood

Selective isolation of fastidious bacteria
Detection of hemolysis

Columbia CNA agar + 5 % sheep blood is a selective isolation medium which enables the growth of Gram-positive bacteria commonly encountered in clinical specimens.

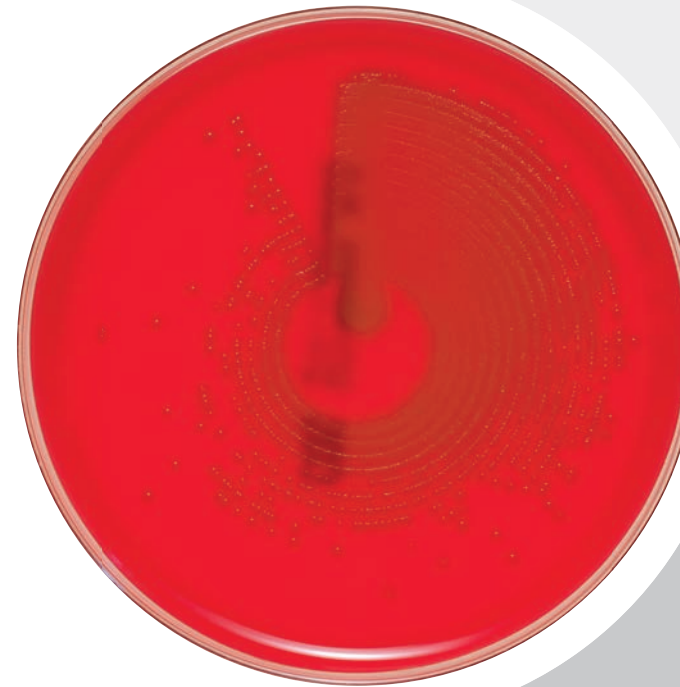
Most Gram-negative bacteria and Bacillus are inhibited by the nalidixic acid and colimycin in the agar.

Columbia CNA agar
+ 5% sheep blood

Ref. **43 071** • kit of 20 plates
Ref. **43 079** • kit of 100 plates

Columbia agar + 5% sheep blood

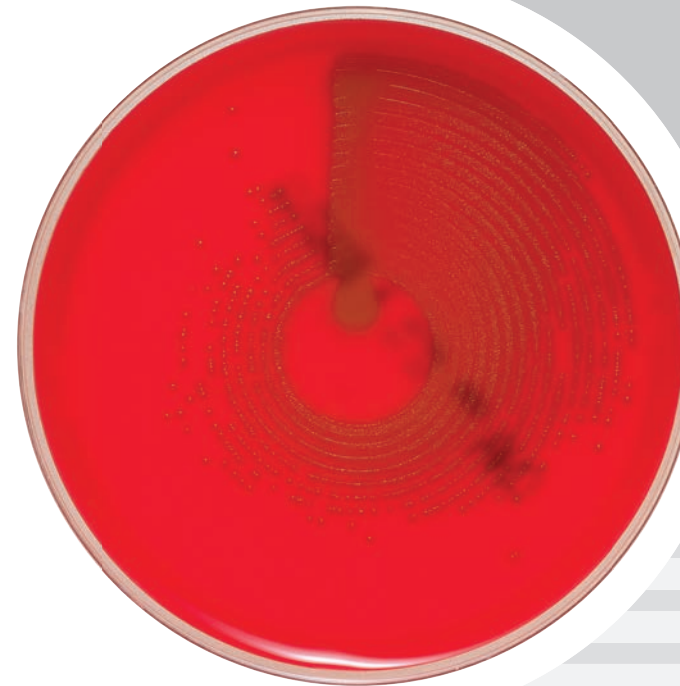
Incubation: 24 hours
S. pneumoniae ATCC® 6305



Incubation:
24 hours
S. pyogenes
ATCC® 19615
zoom x2

Columbia CNA agar + 5% sheep blood

Incubation: 24 hours
S. pneumoniae ATCC® 6305

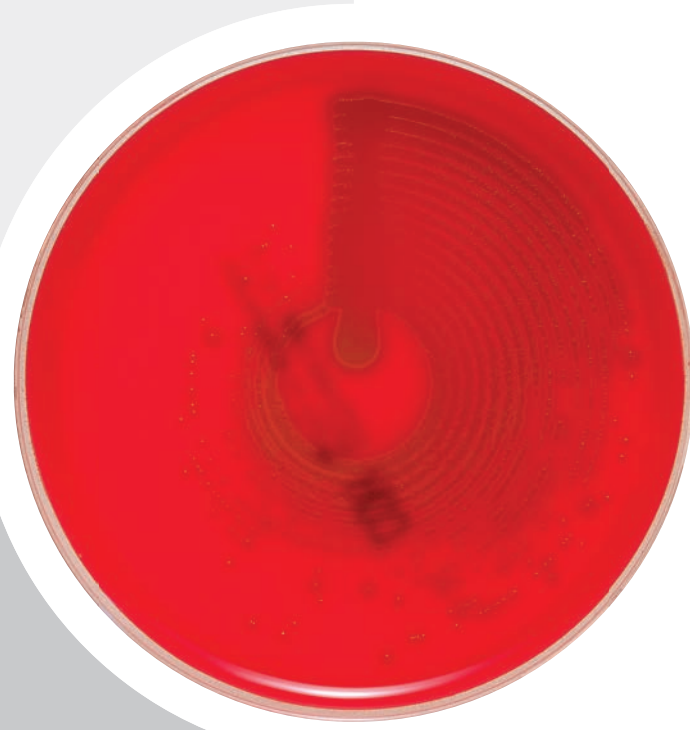


Incubation:
48 hours
S. aureus
ATCC® 25923
zoom x2

Columbia agar + 5% horse blood

Incubation: 24 hours
S. pneumoniae ATCC® 6305

S. pyogenes
ATCC® 19615
zoom x2



Columbia agar + 5% horse blood

Isolation of fastidious bacteria
Detection of hemolysis

Columbia agar + 5% horse blood is an isolation medium which has been developed to facilitate the growth of fastidious micro-organisms.

Columbia agar
+ 5% horse blood

Ref. **43 050** • kit of 20 plates
Ref. **43 059** • kit of 100 plates

Trypcase Soy Agar + 5% sheep blood

Isolation of bacteria
Determination of hemolysis

Trypcase soy agar + 5% sheep blood is an isolation medium which favours the growth of all the species currently found in clinical specimens.

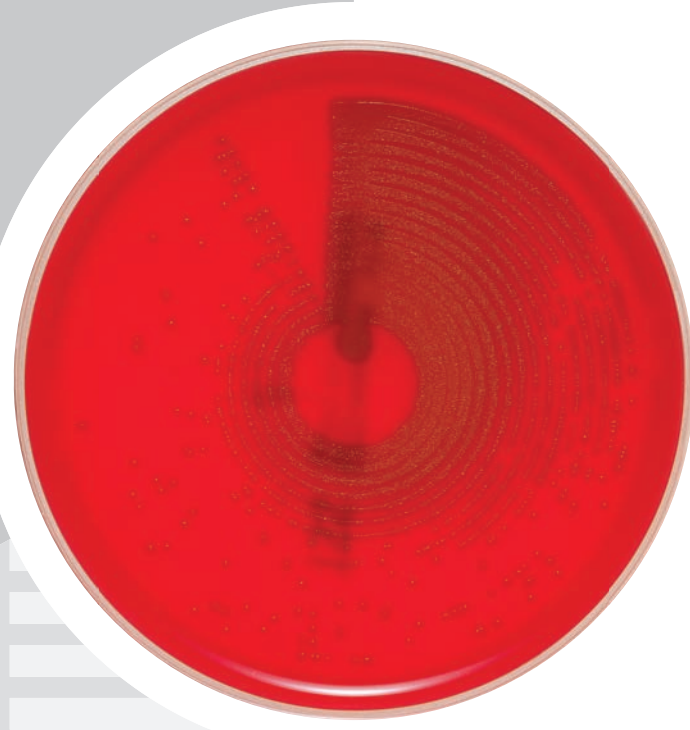
Trypcase soy agar
+ 5% sheep blood

Ref. **43 001** • kit of 20 plates
Ref. **43 009** • kit of 100 plates

Trypcase Soy Agar + 5% sheep blood

Incubation: 24 hours
S. pneumoniae ATCC® 63605

S. pyogenes
ATCC® 19615



Chocolate agar + PolyViteX™

Isolation of fastidious bacteria

Chocolate agar + PolyViteX is an isolation medium particularly recommended for the growth of fastidious strains belonging to the genera *Neisseria*, *Haemophilus*, and *Streptococcus pneumoniae* encountered in clinical specimens.

Chocolate agar + PolyViteX

Ref. 43 101 • kit of 20 plates

Ref. 43 109 • kit of 100 plates

This medium is composed of a nutrient base enriched with factors X (hemin) and V (NAD) provided by the hemoglobin and PolyViteX.

This medium can be used to subculture bacterial strains in order to obtain pure cultures.

Storage: shelf-life includes 4 week storage at 15°-25°C.

Chocolate agar + PolyViteX™ VCAT3 agar

Selective isolation of *Neisseria gonorrhoeae* & *Neisseria meningitidis*

Chocolate agar + PolyViteX VCAT3 agar is a selective medium for the isolation of *Neisseria gonorrhoeae* & *Neisseria meningitidis* from polymicrobial specimens (urogenital, oropharyngeal, CSF, blood cultures...).

Chocolate agar + PolyViteX™ VCAT3 agar

Ref. 43 611 • kit of 20 plates

The medium is composed of a nutrient base enriched with factors X (hemin) and V (NAD) provided by hemoglobin and PolyViteX. The enhanced selectivity of the medium is obtained by the combination of antimicrobial and antifungal agents.

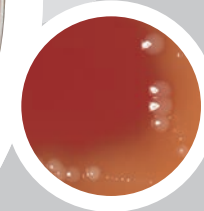
Storage: shelf-life includes 4 week storage at 15°-25°C.

Chocolate agar + PolyViteX

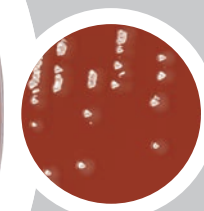
Incubation: 48 hours
H. influenzae ATCC® 10211



Incubation:
24 hours
N. meningitidis
ATCC® 13090
zoom x2



Incubation:
48 hours
N. gonorrhoeae
ATCC® 43069,
S. pneumoniae
ATCC® 6305
zoom x2



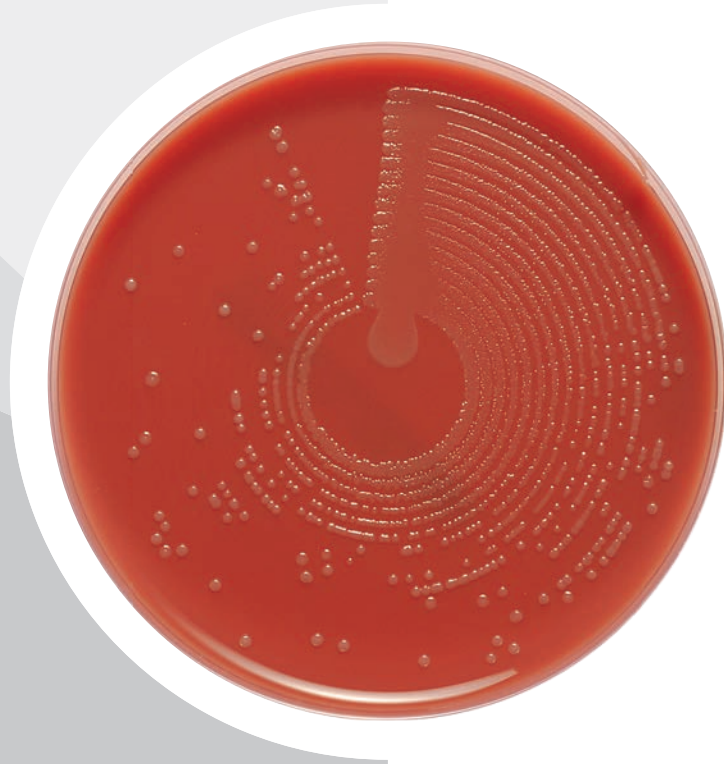
zoom x2

Chocolate agar + PolyViteX VCAT3 agar

Incubation: 24 hours
N. gonorrhoeae ATCC® 43069

Haemophilus Chocolate 2 agar

Incubation: 24 hours
H. influenzae ATCC® 10211



Haemophilus Chocolate 2 agar

Selective isolation of *Haemophilus*

Haemophilus Chocolate 2 agar is a selective medium for the isolation of the different *Haemophilus* species from polymicrobial specimens of human origin.

This new formula is composed of a nutritive base enriched with factors X (hemin) and V (NAD) provided by hemoglobin and PolyViteX™.

Isolation of *Haemophilus* species collected from the respiratory or genital tracts is often difficult due to the presence of large amounts of associated flora.

The selectivity of the media is obtained by the combination of antimicrobial and antifungal agents.

Haemophilus
Chocolate 2 agar

Ref. **43 681** • kit of 20 plates

Ref. **43 689** • kit of 100 plates

Sabouraud Gentamicin Chloramphenicol 2 agar

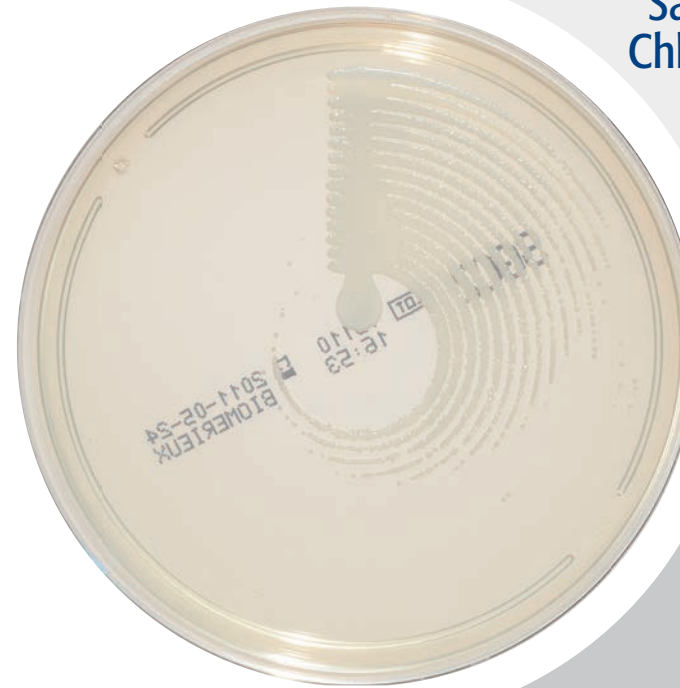
Selective isolation of yeasts and moulds

Sabouraud Gentamicin Chloramphenicol 2 agar is a selective medium recommended for the isolation of yeasts and moulds from polymicrobial specimens.

The new formula has increased nutrient capacity, colour intensity, sensitivity of detection and specificity of colouration for fungi. The increased level of peptones and dextrose favours the growth of fungal strains. The presence of gentamicin inhibits most Gram-negative and Gram-positive bacteria. The presence of chloramphenicol improves the selectivity for certain species which may be resistant to gentamicin (*streptococci*, *Proteus*, etc.). The pH of the agar which is slightly acidic, favours fungal growth more than bacterial growth.

Sabouraud Gentamicin Chloramphenicol 2 agar

Incubation: 24 hours
C. albicans ATCC® 10231



Sabouraud Gentamicin Chloramphenicol 2 agar

Ref. **43 651** • kit of 20 plates
Ref. **43 659** • kit of 100 plates

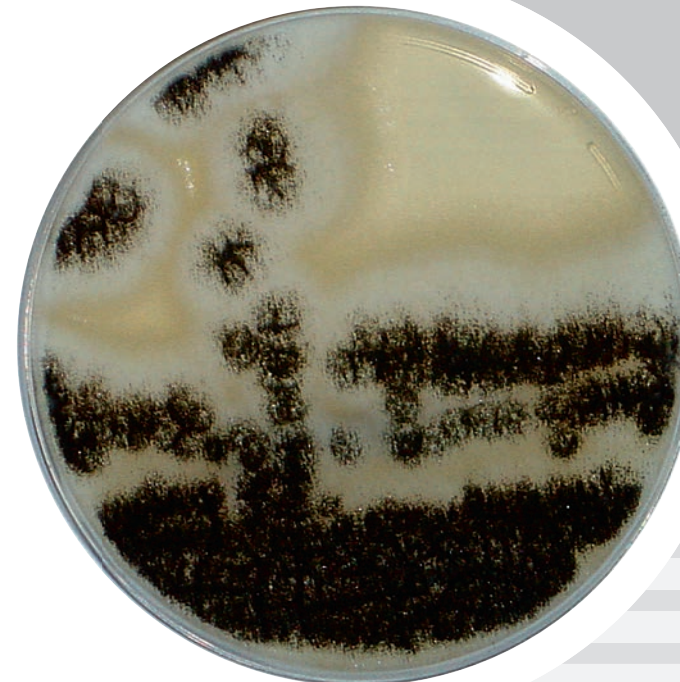
Dermatophyte agar

Ref. **43 062** • kit of 20 plates

chromID Candida / SGC2

Ref. **43 464** • kit of 20 biplates

31



Incubation: 72 hours
Aspergillus niger ATCC® 16404



Incubation: 72 hours
Aspergillus flavus
zoom x2



Incubation: 72 hours
Aspergillus nidulans
zoom x2

Campyloesel agar

Incubation: 48 hours
Campylobacter jejuni ATCC® 33291



Campyloesel agar

Selective isolation of *Campylobacter*

Campyloesel agar is a selective medium for the isolation of intestinal *Campylobacter* (*C. jejuni* and *C. coli* principally) from stools.

The presence of sheep blood favours the growth of the target species.

The nutrient capacity is enhanced by the use of reducing agents.

Good selectivity is ensured by the antibiotic and antifungal agents present in the medium which inhibit the majority of bacterial and fungal contaminants.

Characteristic *Campylobacter* colonies are small and greyish, and sometimes spread along the inoculation streaks.

Campyloesel agar

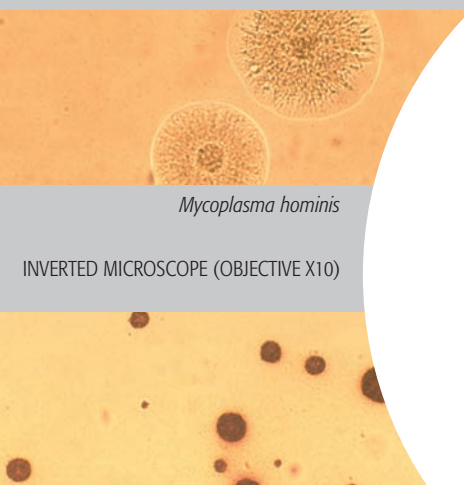
Ref. **43 361** • kit of 20 plates

Genbag / Genbox

See page 37

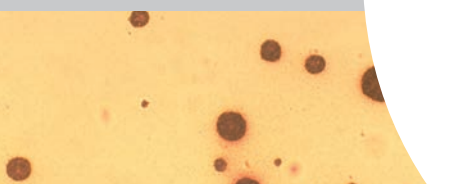
32

A7 Mycoplasma agar



Mycoplasma hominis

INVERTED MICROSCOPE (OBJECTIVE X10)



Ureaplasma urealyticum



A7 Mycoplasma agar

Selective culture and enumeration of urogenital mycoplasma

A7 Mycoplasma agar is a selective medium for the culture of mycoplasmas, *Ureaplasma* spp. and *Mycoplasma hominis* from urogenital specimens. The *Ureaplasma urealyticum* species has been separated into two new species called *Ureaplasma parvum* and *Ureaplasma urealyticum*.

For the use of this medium, they should both be considered as *Ureaplasma* spp. This medium combines a rich nutritive base containing peptones, horse serum and growth factors favouring the growth of mycoplasmas (cysteine, PolyViteX™, arginine, urea).

• *Ureaplasma* spp.
 "Sea urchin" colonies: round colonies surrounded by a brownish-black precipitate.

• *Mycoplasma hominis*
 "Fried egg" colonies: round colonies with a protruding center surrounded by a lighter halo.

An antibiotic mixture inhibits the growth of most Gram-positive and Gram-negative bacteria.

A7 Mycoplasma agar

Ref. **43 003** • kit of 10 plates

Urea-Arginine LYO 2

Ref. **42 508** • kit for 25 tests

Mycoplasma IST2

Ref. **42 505** • kit for 25 tests

Mycoplasma preparation

Ref. **42 507** • 8 x 3.1 ml

Cetrimide agar

Selective isolation of *Pseudomonas aeruginosa*

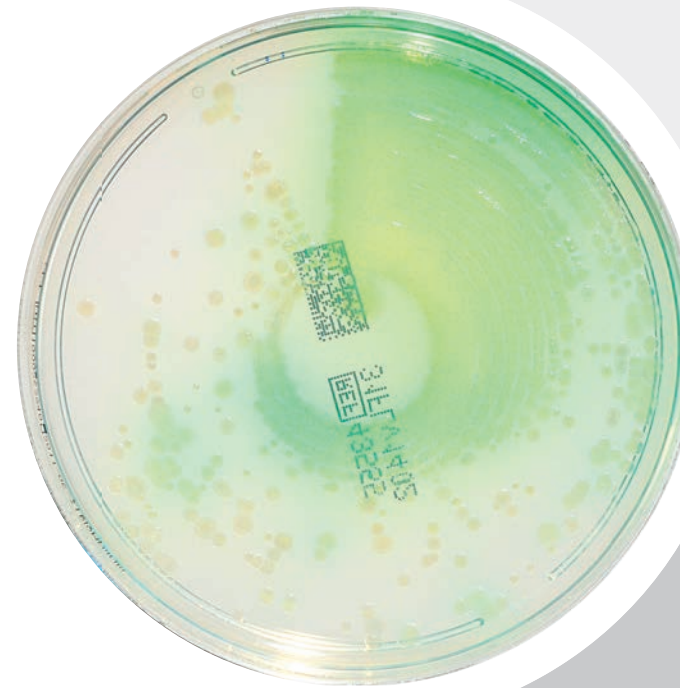
Cetrimide agar is a selective isolation medium for the detection of *Pseudomonas aeruginosa* from specimens of various origin.

Cetrimide agar stimulates the production of pyocyanin and the fluorescence of *P. aeruginosa*. Its formula is an optimization of King's A medium: the addition of a quaternary ammonium inhibits most other micro-organisms.

Cetrimide agar

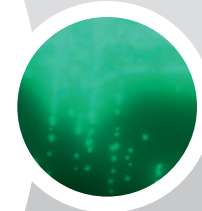
Ref. 43 565 • kit of 20 plates

Characteristic colonies present a spontaneous pale green pigmentation and green fluorescence under ultraviolet light.



Cetrimide agar

Incubation: 48 hours
P. aeruginosa ATCC® 27853



P. aeruginosa
ATCC® 10145,
UV light

SMAC CT agar

Selective isolation of *Escherichia coli* O157:H7

The SMAC CT agar (Mac Conkey with Sorbitol) enables the detection and differentiation of enterohemorrhagic *Escherichia coli* of serotype O157:H7, responsible for gastro-intestinal infections or diseases.

According to epidemiological data, these types of pathology may also be induced by the O157:H-serotype (non-motile bacteria unlike the O157:H7 serotype).

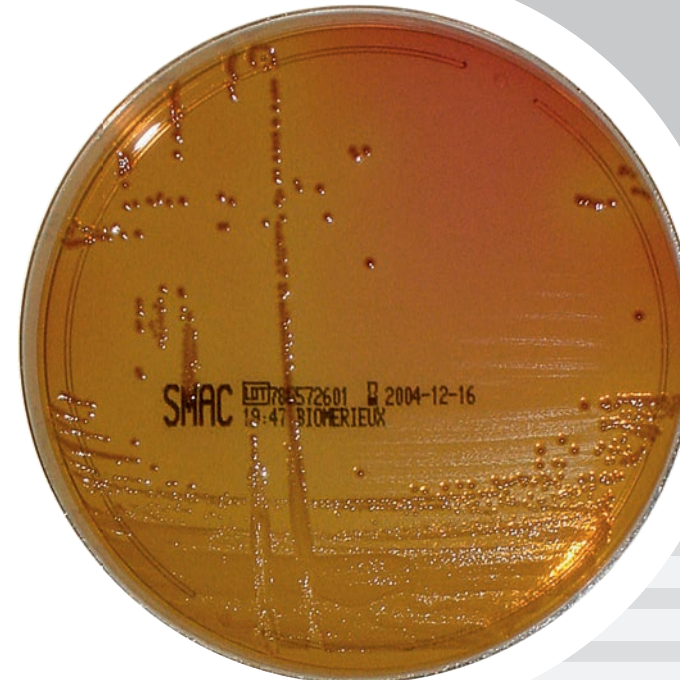
SMAC CT agar

Ref. 43 391 • kit of 20 plates

The presence of sorbitol and tellurite enables the differentiation of *E. coli* O157:H7 which is characterized by colourless colonies with a brown centre. *E. coli* O157:H7 strains might also generate colourless colonies with a brown centre.

The other *E. coli* fermenting sorbitol give pink to red colonies.

The selectivity for Gram-positive bacteria and certain *Enterobacteriaceae* is ensured by cefixime, bile salts, crystal violet and tellurite.



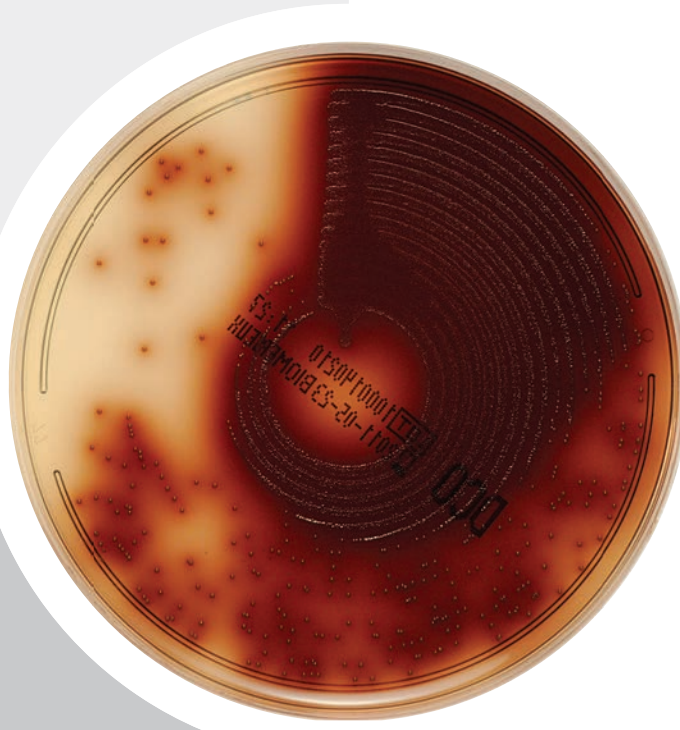
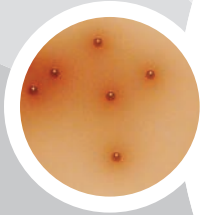
SMAC CT agar

Incubation: 24 hours
E. coli O157:H7 ATCC® 43894

D-Coccosel agar

Incubation: 24 hours
E. faecalis ATCC® 29212

zoom x2



D-Coccosel agar

Selective isolation of enterococci and group D streptococci

D-Coccosel agar (Bile Esculin Agar) is used for the selective isolation and differentiation of enterococci and group D streptococci from polymicrobial specimens.

The characteristic colonies of enterococci and group D streptococci are colourless or grey and surrounded by a black halo (hydrolysis of esculin).

The selectivity of the medium for Gram-negative bacteria is provided by sodium azide. Bile inhibits certain Gram-positive bacteria other than enterococci.

D-Coccosel agar

Ref. **43 151** • kit of 20 plates

Legionella GVPC agar

Selective isolation of *Legionella*

Legionella GVPC agar has been specially developed for the isolation from respiratory specimens of most *Legionella* species, notably those responsible for infections: *Legionella pneumophila*, which is the species most frequently involved (Pontiac fever) but also *L. bozemanii*, *L. longbeachae*, *L. dumoffii*, *L. jordanis*, *L. gormanii*, *L. anisa* and *L. micdadei*. This selective medium also enables the enumeration of *Legionella* in water according to standards T90-431 and ISO 11731.

The activated charcoal absorbs any toxic substances in the yeast extract and stimulates the growth of *Legionella*.

The ACES buffer stabilizes the pH of the medium at 6.9, which is the optimal pH for growth.

The characteristic colonies of *Legionella* are grey-blue in colour but which can become off-white with age.

They have a regular pinkish edge and, when observed under a binocular microscope, have a ground glass appearance.

GVPC medium provides excellent selectivity through an optimized combination of three antibiotics.

Legionella GVPC agar

Ref. **43 031** • kit of 20 plates

Slidex® Legionella Kit

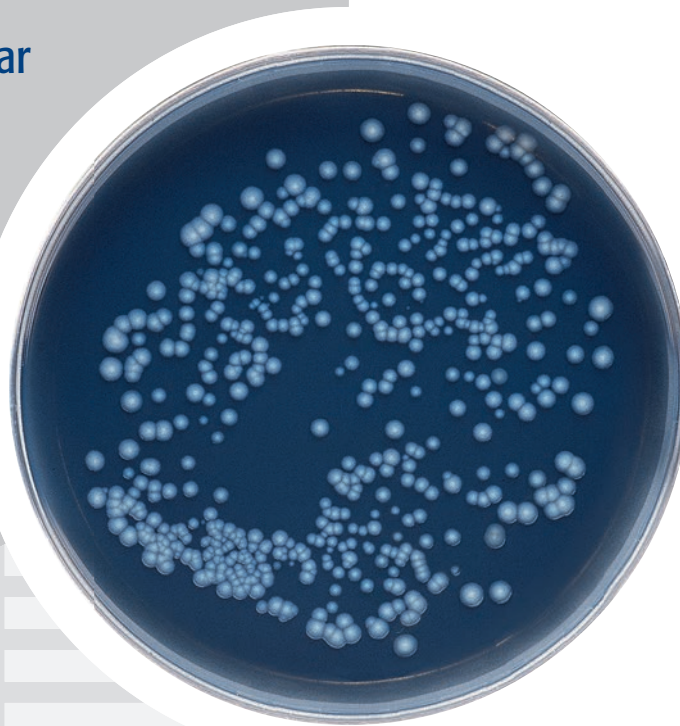
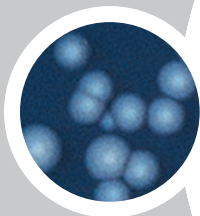
Ref. **73 120** • kit of 50 tests
(not CE marked)

34

Legionella GVPC agar

Incubation: 5 days
Legionella pneumophila

Legionella pneumophila
zoom x2.5



Gardnerella agar

Selective isolation of *Gardnerella vaginalis*

Gardnerella agar is a selective isolation medium for the detection of *Gardnerella vaginalis* in genital specimens.

Gardnerella vaginalis, alone or associated with certain anaerobic bacteria (*Mobiluncus*, *Bacteroides* and *Prevotella*), is responsible for various urogenital infections.

The presence of human blood favours the growth of the species being tested for and produces β -hemolysis around the colonies. β -hemolysis

Gardnerella agar

Ref. 43 411 • kit of 20 plates

Yersinia CIN agar

Selective isolation of *Yersinia*

Yersinia CIN agar is a selective isolation medium for the detection and differentiation of *Yersinia* species from stool specimens.

The formula of the medium is that described by Schiemann (CIN medium: Cefsulodin, Irgasan, Novobiocin).

Yersinia CIN agar

Ref. 43 421 • kit of 20 plates

Ref. 43 209 • kit of 100 plates

obtained solely on human blood agar is highly indicative of *G. vaginalis*.

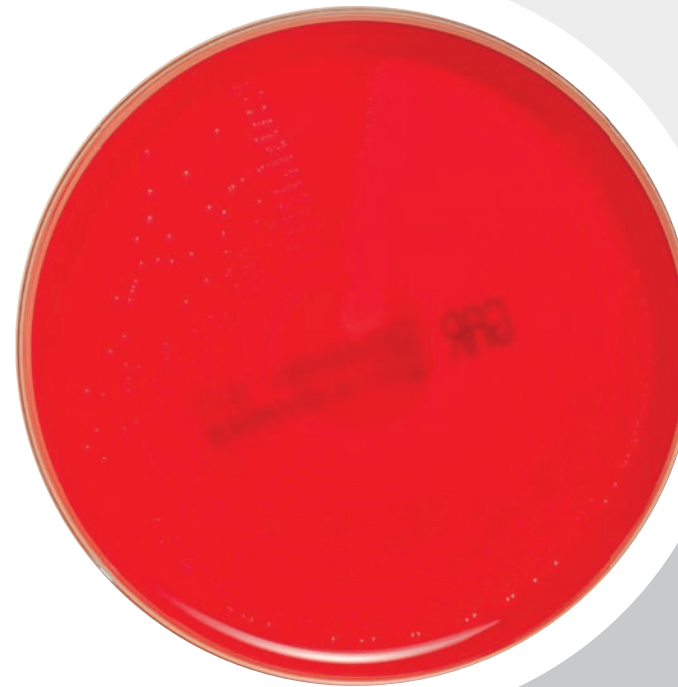
The antibiotics included in the medium inhibit most Gram-negative contaminants and yeasts.

The mannitol and neutral red present in the medium enable *Yersinia* to be differentiated by the colour of the colonies (dark pink to red colonies).

The presence of cholate, deoxycholate, crystal violet, Irgasan and antibiotics inhibits the growth of Gram-positive and most Gram-negative bacteria.

Gardnerella agar

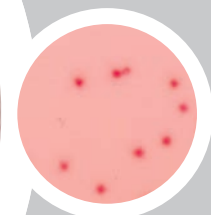
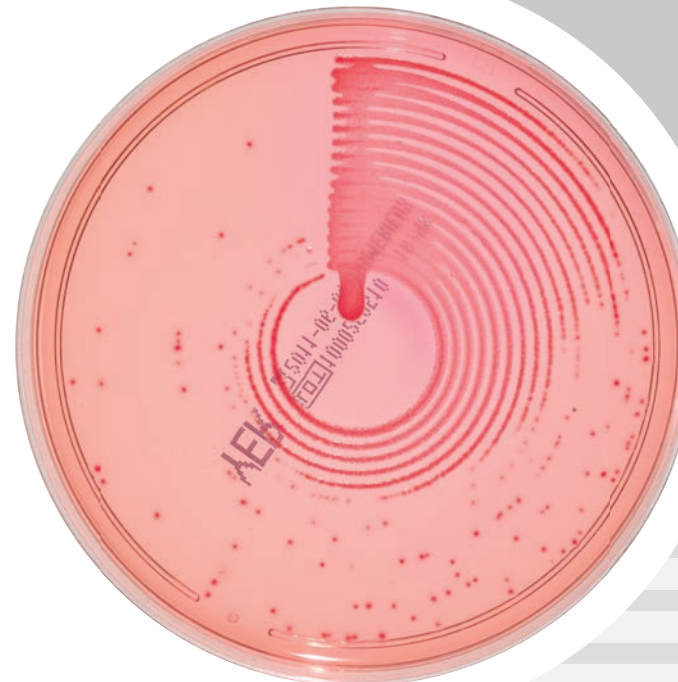
Incubation: 24 hours
G. vaginalis ATCC® 14018



zoom x2

Yersinia CIN agar

Incubation: 24 hours
Y. enterocolitica ATCC® 9610



Incubation:
48 hours
Y. enterocolitica
ATCC® 9610
zoom x2

Clostridium difficile agar

Incubation: 48 hours
C. difficile ATCC® 9689

zoom x2



Clostridium difficile agar

Selective isolation of *Clostridium difficile*

Clostridium difficile agar is a selective isolation medium which is specially developed for the growth of *Clostridium difficile* in stool specimens. *Clostridium difficile* is a causative agent of Pseudo-membranous colitis and more generally of antibiotic-associated diarrhea.

The presence of sheep blood facilitates the growth of the species being tested for. The characteristic colonies are grey and sometimes spread along the inoculation streaks. The antimicrobial and antifungal agents in the medium inhibit most bacterial and fungal contaminants.

Clostridium difficile agar

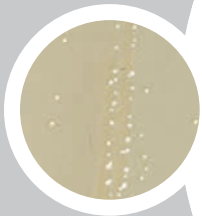
Ref. **43 431** • kit of 20 plates

36

Pylori agar

Incubation: 48 hours
H. pylori ATCC® 43504

H. pylori
 ATCC® 43504
 zoom x2.5



Pylori agar

Selective isolation of *Helicobacter pylori*

Pylori agar is a selective isolation medium for the detection of *Helicobacter pylori* in gastric biopsies.

Helicobacter pylori is a cause of gastritis and is associated with the development of gastric and duodenal ulcers.

Helicobacter pylori is a microaerophilic bacterium whose viability is reduced on contact with air.

These characteristics should be taken into account for transport and culture.

The presence of horse plasma and PolyViteX enhances the growth of the target species.

The antibiotics present in the medium inhibit the majority of bacterial contaminants.

Pylori agar

Ref. **413 193** • kit of 20 plates

Portagerm pylori

Ref. **42 041** • kit of 8 tubes

Genbag / Genbox

See page 37

Schaedler agar + 5% sheep blood

Isolation of anaerobic bacteria

Schaedler agar + 5 % sheep blood is an isolation medium particularly suitable for the detection of obligate and facultative anaerobic bacteria.

The presence of growth factors such as yeast extract, hemin and vitamin K3 and the addition of sheep blood, enable the growth of ever most fastidious species.

The reducing agent (L-cystine) and high concentration of dextrose in the agar favour the growth of anaerobic species.

Schaedler agar
+ 5% sheep blood

Ref. **43 401** • kit of 20 plates
Ref. **43 279** • kit of 100 plates

Schaedler Neo. Vanco.
+ 5% sheep blood

Ref. **413 194** • kit of 20 plates

Genbag / Genbox...

Atmosphere generators and incubation jars

GENbag

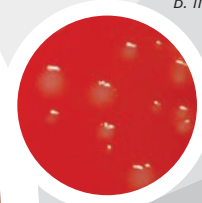
Ref. **45 511** • clip seals x 10
Ref. **45 532** • microaer - 20 tests
Ref. **45 533** • CO₂ - 20 tests
Ref. **45 534** • anaer - 20 tests
Ref. **96 118** • anaer indicator
50 strips

GENbox

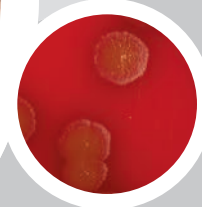
Ref. **96 124** • anaer - 10 sachets
Ref. **96 125** • microaer
10 sachets
Ref. **96 126** • CO₂ - 10 sachets
Ref. **96 127** • Jar 2.5 liters
Ref. **96 128** • Jar 7.0 liters
Ref. **96 118** • anaer indicator
50 strips

Schaedler agar + 5% sheep blood

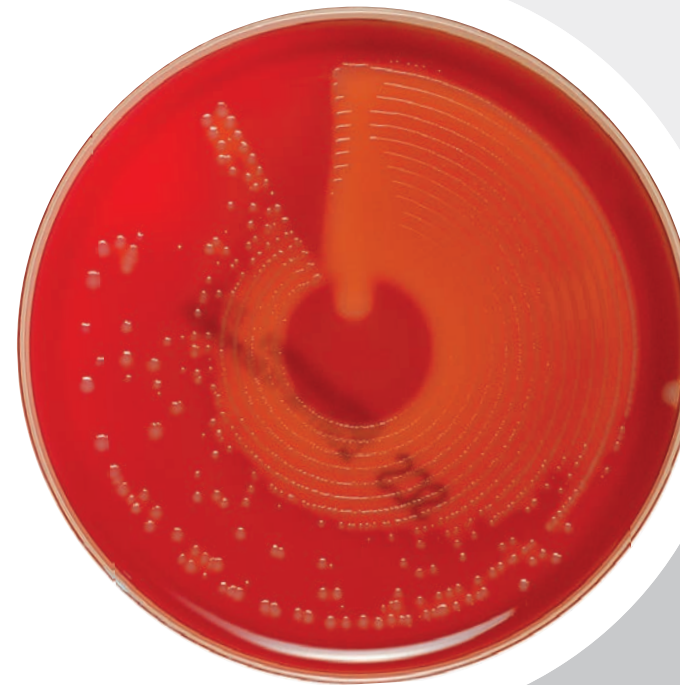
Incubation: 48 hours
B. fragilis ATCC®* 25285



Incubation:
72 hours
Veillonella parvula
ATCC®* 10790



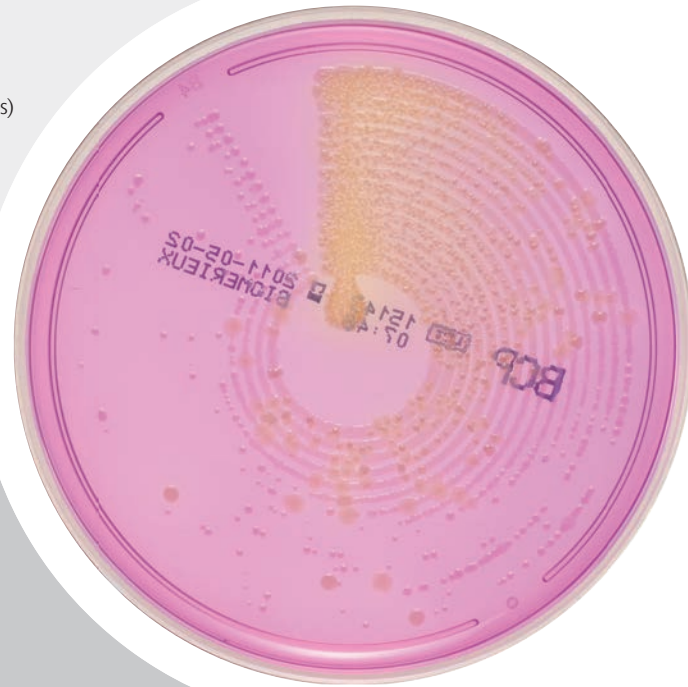
Incubation:
24 hours
C. perfringens
ATCC®* 13124



BCP agar

Incubation: 24 hours
E. coli ATCC® 25922 (yellow colonies)
 & *P. vulgaris* ATCC® 6380 (colourless colonies)

zoom x2



BCP agar

Isolation of common micro-organisms

BCP agar (Lactose agar with Bromocresol purple) is an isolation and differentiation medium for the development of all organisms commonly found in specimens of various origin.

It also differentiates lactose-fermenting organisms from non-fermenting organisms.

Lactose (+) organisms produce yellow colonies by acidification of the medium.

Non-fermenting organisms produce blue or colourless colonies.

BCP agar

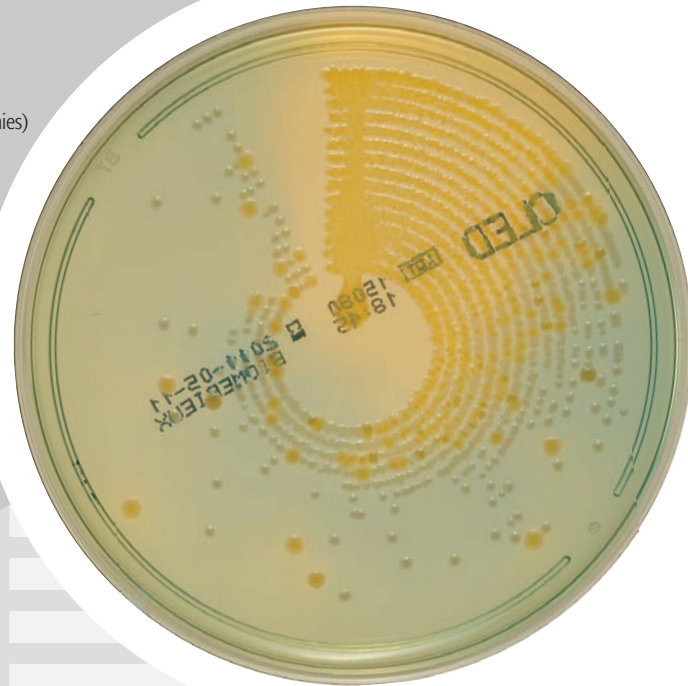
Ref. **43 021** • kit of 20 plates

38

CLED agar

Incubation: 24 hours
E. coli ATCC® 25922 (yellow colonies)
 & *P. mirabilis* ATCC® 12453 (colourless colonies)

zoom x2



CLED agar

Isolation of urinary tract micro-organisms

CLED agar (Cystine Lactose Electrolyte Deficient) is especially useful for the isolation of urinary tract micro-organisms.

It also enables the differentiation of lactose-fermenting and non lactose-fermenting bacteria (bromothymol blue indicator).

• Lactose (+) bacteria produce pale yellow to yellow colonies by acidification of the medium.

• Non-lactose fermenting bacteria produce green, blue or colourless colonies.

The composition of the medium (weak electrolyte content) prevents the swarming of *Proteus*.

The new CLED formula provides real advantages in terms of larger colony size, improvement of lactose character reading, and better colony differentiation.

CLED agar

Ref. **43 331** • kit of 20 plates

Ref. **43 339** • kit of 100 plates

CLED Andrade agar

Ref. **43 072** • kit of 20 plates

Drigalski agar

Selective isolation of *Enterobacteriaceae* and other Gram-negative bacteria

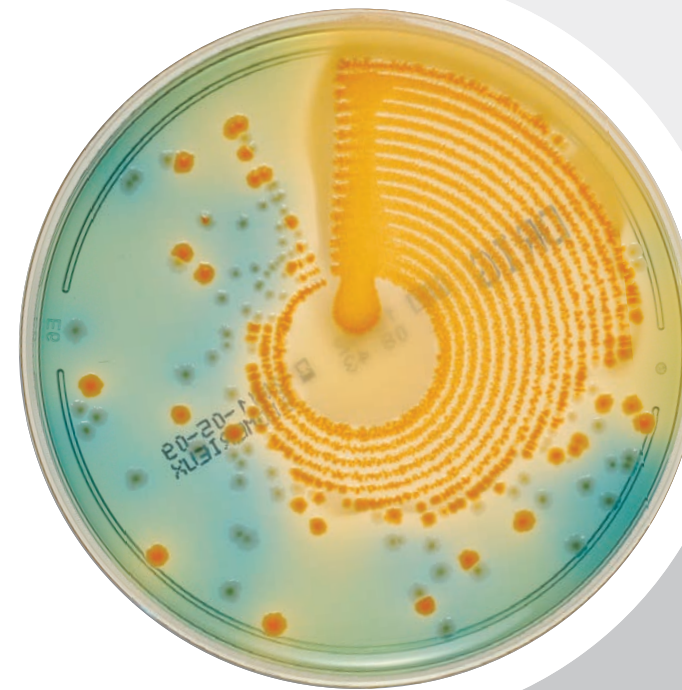
Drigalski agar is a selective isolation and differentiation medium used to identify Enterobacteriaceae and other Gram-negative bacteria in feces, urine or other biological specimens.

Micro-organisms that ferment lactose form yellow or yellowish-green colonies; the others produce blue, green, or bluish-green colonies.

Drigalski agar

Ref. 43 341 • kit of 20 plates

The presence of sodium deoxycholate and crystal violet inhibits the growth of Gram-positive.



Drigalski agar

Incubation: 24 hours
E. coli ATCC® 25922 (yellow colonies)
 & *Salmonella typhimurium* ATCC® 14028 (blue colonies)



zoom x2

Eosin-methylene blue agar

Isolation of *Enterobacteriaceae*

Eosin-methylene blue agar is a selective isolation and differentiation medium for the detection of *Enterobacteriaceae*.

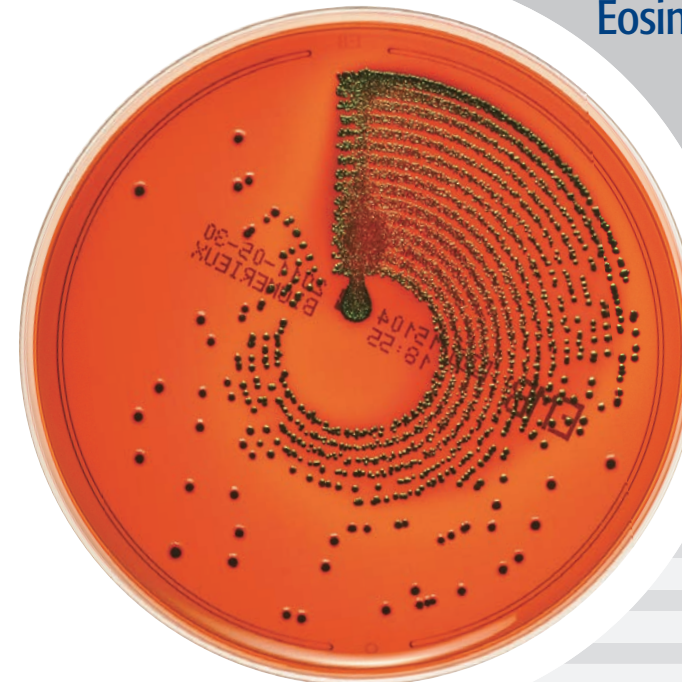
It enables lactose- and/or sucrose-fermenting micro-organisms to be differentiated from non-fermenting micro-organisms.

Eosin-methylene blue agar is used to detect enterobacteria in stools, urine or other biological specimens.

Lactose (+) and/or sucrose (+) micro-organisms produce dark purple colonies by acidification of the medium, which may be accompanied by a metallic sheen.

Non-fermenting micro-organisms produce colourless or slightly pinkish colonies.

The presence of 2 stains inhibits the growth of Gram-positive bacteria.



Eosin-methylene blue agar

Incubation: 24 hours
E. coli ATCC® 25922



zoom x2

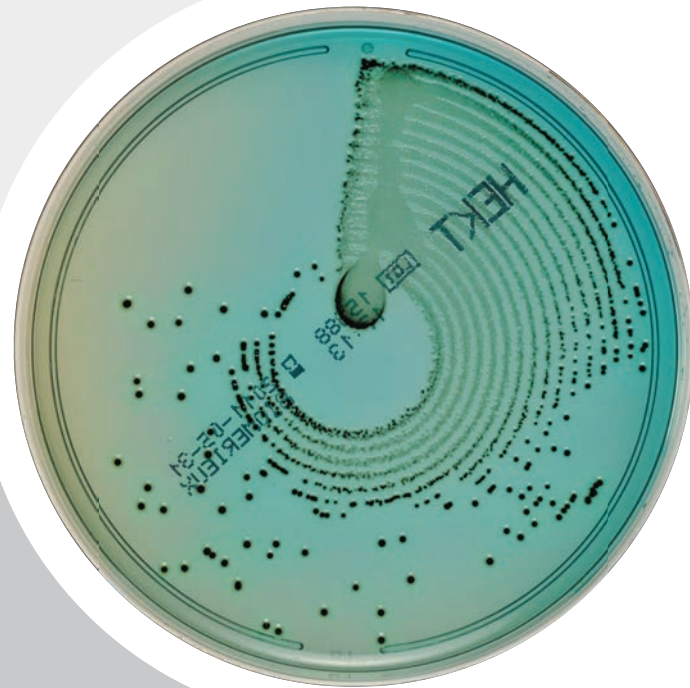
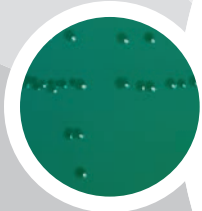
Eosin-methylene blue agar

Ref. 43 081 • kit of 20 plates

Hektoen agar

Incubation: 24 hours
Salmonella typhimurium ATCC® 14028

zoom x2



Hektoen agar

Selective isolation of *Salmonella* and *Shigella*

Hektoen agar is a selective isolation and differentiation medium recommended for the detection of *Salmonella* and *Shigella* species.

The medium is inoculated from stool specimens, suspension of stools or an enrichment broth.

Micro-organisms that ferment one of the three sugars in the medium form yellow or yellowish-pink colonies; the others produce green to bluish-green colonies.

H₂S-producing micro-organisms form colonies with a black centre.

- Colonies of *Salmonella* are green to bluish-green, with or without a black centre.
- Colonies of *Shigella* are green to bluish-green without a black centre.

Inhibition of Gram-positive micro-organisms is obtained by a mixture of bile salts and stains.

Hektoen agar

Ref. **43 111** • kit of 20 plates
 Ref. **43 119** • kit of 100 plates

Rappaport broth

Ref. **42 091** • kit of 20 tubes

Selenite F broth

Ref. **42 099** • kit of 20 tubes

40

Mac Conkey agar

Incubation: 24 hours
E. coli ATCC® 25922 (pink colonies)
 & *Salmonella choleraesuis* st typhimurium ATCC® 14028

zoom x2



Mac Conkey agar

Selective isolation of *Enterobacteriaceae* and *Escherichia coli*

MacConkey agar with crystal violet is a selective isolation and differentiation medium for the detection of *Enterobacteriaceae* in specimens of various origins.

This medium is specially designed to detect the fermentation of lactose through a colour change to neutral red.

- lactose (+) colonies: pink to red, sometimes surrounded by a halo of precipitated bile salts.
- lactose (-) colonies: colourless or slightly beige.

The selectivity for Gram-positive bacteria is provided by bile salts and crystal violet.

Mac Conkey agar

Ref. **43 141** • kit of 20 plates
 Ref. **43 149** • kit of 100 plates

Storage:
 shelf-life includes 4 week storage at 15°-25°C.

Mannitol Salt 2 agar

Selective isolation of *staphylococci*

Mannitol Salt 2 agar is intended for the selective isolation of *staphylococci* in human specimens and orientation of identification of *S. aureus*.

The new formula has increased nutrient capacity, sensitivity of detection and specificity.

Mannitol Salt 2 agar

Ref. **43 671** • kit of 20 plates

Ref. **43 679** • kit of 100 plates

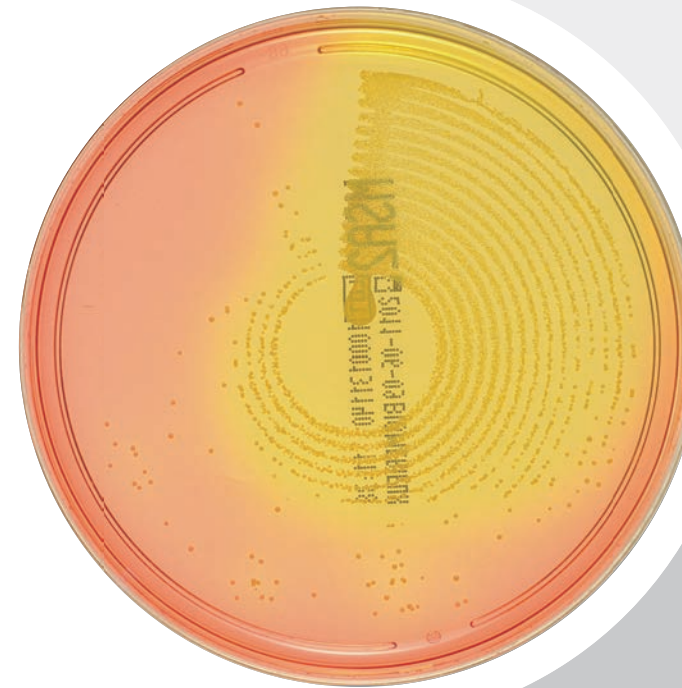
Micro-organisms which ferment mannitol produce yellow colonies.

This characteristic is a criterion for orienting identification of *Staphylococcus aureus*.

The high content of sodium chloride in the medium limits the growth of certain bacteria other than *Staphylococcus*.

Storage:

shelf-life includes 4 week storage at 15°-25°C.



Mannitol Salt 2 agar

Incubation: 24 hours
S. aureus ATCC® 25923

SS agar

Selective isolation of *Salmonella* and *Shigella*

SS agar is a selective isolation and differentiation medium recommended for the detection of *Salmonella* and *Shigella* species.

The medium is inoculated from stool specimens, suspension of stools or an enrichment broth.

The medium detects lactose-fermenting and thio-sulfate-reducing (production of H₂S) colonies. Lactose-fermenting micro-organisms produce pink colonies, the others give colourless colonies.

H₂S-producing micro-organisms produce colonies with a black centre.

- Colonies of *Salmonella* are colourless to pale yellow, with or without a black centre.
- Colonies of *Shigella* are colourless to pale pink or orange-coloured without a black centre.

The inhibition of Gram-positive micro-organisms is obtained by a mixture of bile salts and stains.



SS agar

Incubation: 24 hours
Salmonella typhimurium ATCC® 14028
(colonies with black centre)
& *S. flexneri* ATCC® 12022
(pale pink colonies)



zoom x2

SS agar

Ref. **43 091** • kit of 20 plates

Ref. **43 099** • kit of 100 plates

Rappaport broth

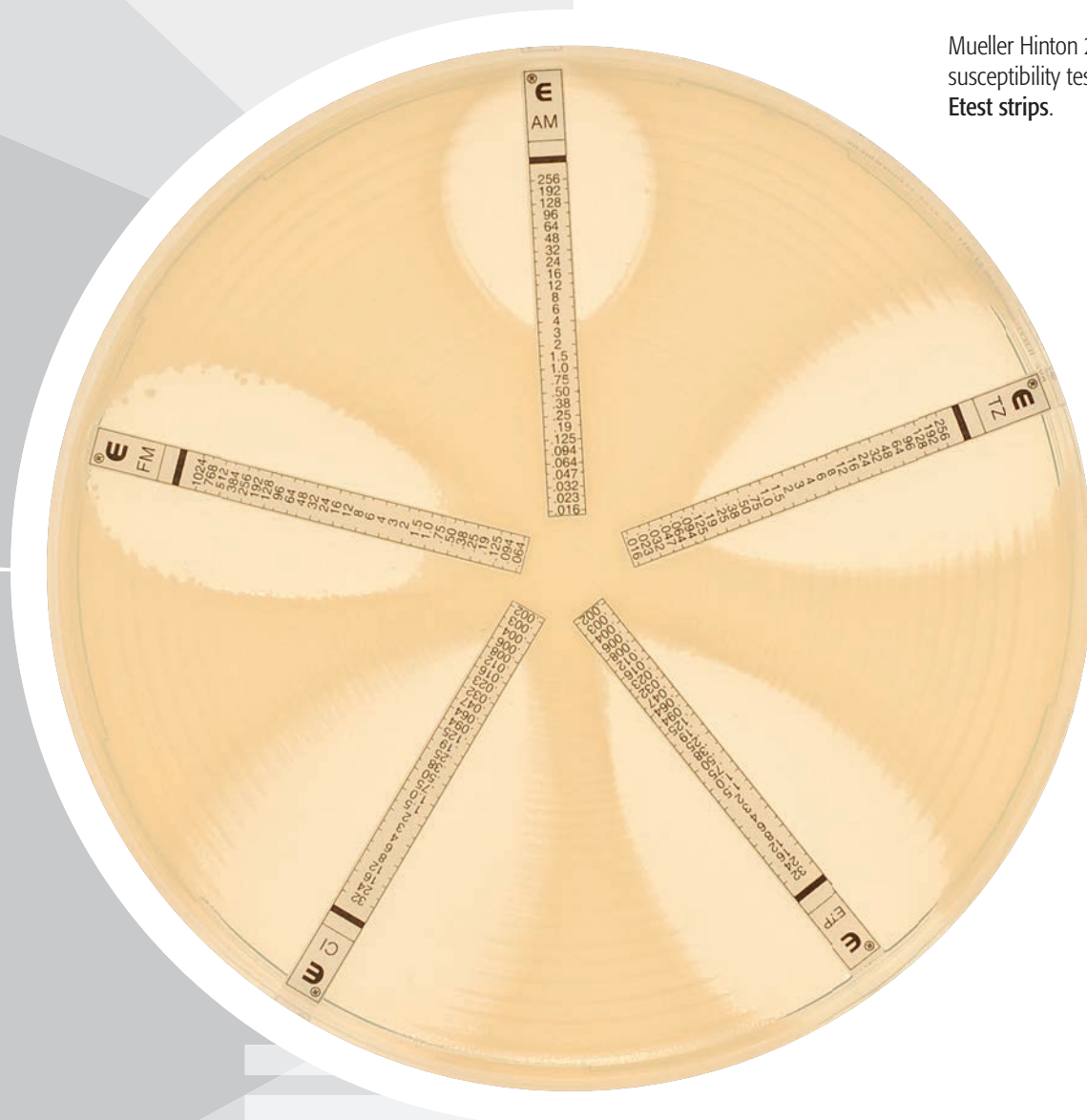
Ref. **42 091** • kit of 20 tubes

Selenite F broth

Ref. **42 099** • kit of 20 tubes

Mueller Hinton 2 agar

Incubation: 24 hours
E. coli ATCC® 25922



Mueller Hinton 2 agar

Susceptibility to antibiotics and sulfonamides

Mueller Hinton 2 agar is a medium for antimicrobial susceptibility testing by disc diffusion and Etest strips.

The composition of Mueller Hinton 2 agar enables the growth of non-fastidious bacteria (*Enterobacteriaceae*, non fermenting Gram-negative bacilli, staphylococci and enterococci) found in human pathology, while guaranteeing minimum interference from the constituents of the formula with the result of the antimicrobial susceptibility test.

The concentration of divalent ions in the agar is adjusted to ensure a more accurate determination of the susceptibility of *Pseudomonas* to aminoglycosides and tetracyclines.

The low concentration of thymine – thymidine (sulfonamide inhibitors) restricts the growth around the discs, enabling more accurate measurement of the zones of inhibition.

The use of Mueller Hinton 2 agar is in compliance with the CLSI and CA-SFM standards.

Mueller Hinton 2 agar

- Ref. **43 301** • kit of 20 plates
- Ref. **43 309** • kit of 100 plates
- Ref. **43 302** • kit of 20 plates
145 mm
- Ref. **43 511** • kit of 20 plates
120x120 mm

RPMI agar Etest

- Ref. **AEB 122 180**
• kit of 10 plates 90 mm
- Ref. **AEB 122 182**
• kit of 10 plates 140 mm

Brucella blood agar Etest

- Ref. **411 968** • kit of 20 plates

Mueller Hinton 2 agar + 5% horse blood + NAD

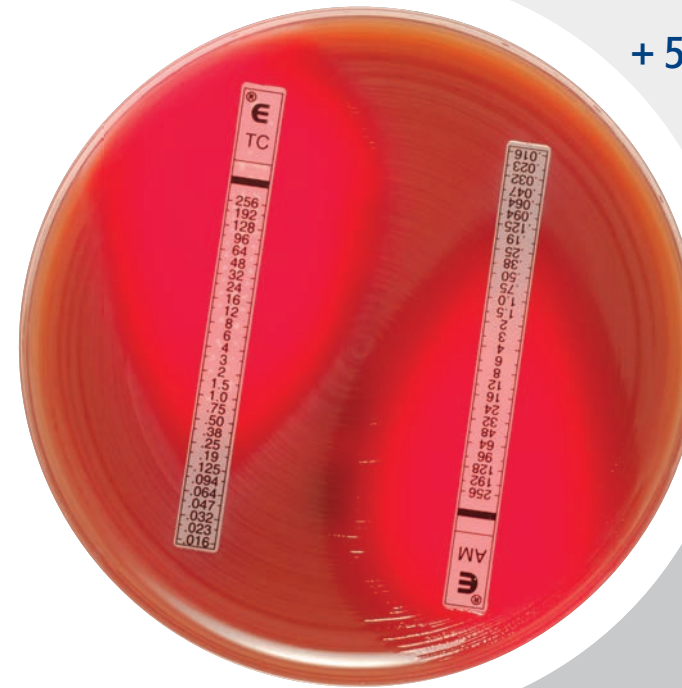
Study of the antimicrobial susceptibility of pneumococci and other streptococci, *Haemophilus* and *Moraxella*

Mueller Hinton agar with 5% horse blood + 20 mg/l β-NAD is a medium for disc diffusion and **Etest strips** antimicrobial susceptibility testing of fastidious micro-organisms (pneumococci and other streptococci, *Haemophilus*, and *Moraxella*).

Mueller Hinton 2 agar
+ 5% horse blood + NAD

Ref. **43 901** • kit of 20 plates
Ref. **43 919** • kit of 100 plates
Ref. **43 904** • kit of 20 plates
20x120x120 mm

The medium has been developed according to **EUCAST (European Committee on Antimicrobial Susceptibility Testing)** recommendations.



Mueller Hinton 2 agar + 5% horse blood + NAD

Incubation: 24 hours
H. influenzae NTCC 8468

Mueller Hinton 2 agar + 5% sheep blood

Susceptibility of pneumococci and other streptococci to antibiotics and sulfonamides

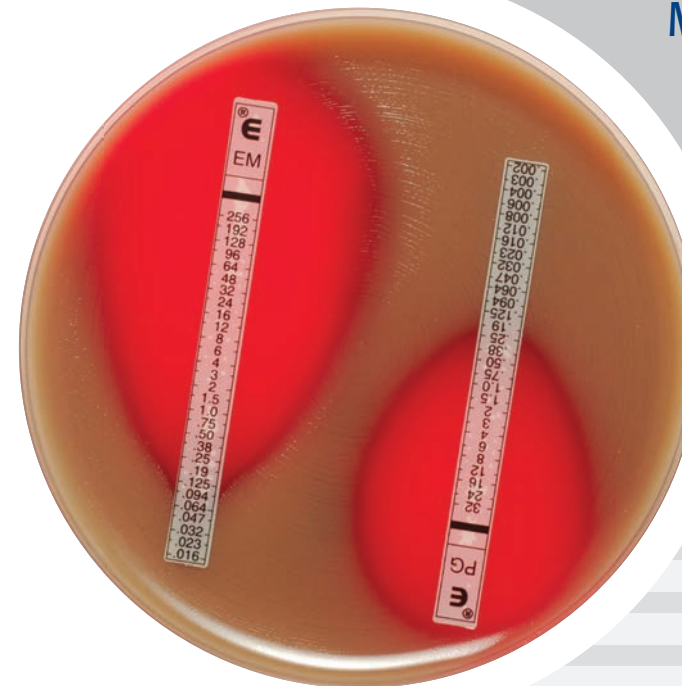
Mueller Hinton 2 agar + 5% sheep blood is a medium for antimicrobial susceptibility testing by disc diffusion for strains requiring blood for their growth.

Mueller Hinton 2 agar
+ 5% sheep blood

Ref. **43 321** • kit of 20 plates
Ref. **43 329** • kit of 100 plates
Ref. **43 324** • kit of 20 plates
120x120 mm

The composition of Mueller Hinton 2 agar, supplemented with sheep blood, enables the growth of bacteria such as pneumococci and other streptococci.

The use of Mueller Hinton 2 agar is in compliance with the CLSI and CA-SFM standards and fully compatible with **Etest strips**.



Mueller Hinton 2 agar + 5% sheep blood

Incubation: 24 hours
S. pneumoniae ATCC® 49619

DEVICES
air IDEAL® 3P™



Aerobiocollector

Measuring aerobiocontamination

Air quality and surface controls are key processes in the Quality system of environmental control.

***air IDEAL*® 3P™** ensures the effective measurement of aerobiocontamination in total confidence with validated culture media.

ISO 14698 VALIDATED

***air IDEAL*® 3P TRACEABILITY** equipped with 90/100 mm diameter sampling grids..... Ref. 410175

***air IDEAL*® 3P TRACEABILITY** equipped with 55/60 mm diameter sampling grids..... Ref. 410174

***air IDEAL*® 3P TRACEABILITY** remote control (RUID) Ref. 410173

Other devices

Count-Tact Applicator 1 device for Count-Tact plates..... Ref. 96300

Bi-Box 10 sterile cases for Count-Tact plates for collection and transport..... Ref. 96301

Bi-Box 90 10 sterile cases for 90 mm plates for collection and transport..... Ref. 96311

Surface Count-Tact™ plates ø 55 mm

For use in unprotected areas

Count-Tact agar 20 plates 55 mm Ref. 43501

Count-Tact Sabouraud Dextrose Chloramphenicol agar 20 plates 55 mm Ref. 43580

Count-Tact chromID ESBL 20 plates 55 mm..... Ref. 411673

Count-Tact chromID MRSA 20 plates 55 mm..... Ref. 410155

For use in clean areas triple-wrapped irradiated media

Count-Tact 3P Irradiated agar 20 /100 plates 55 mm..... Ref. 43691/43699

Count-Tact 3P Irradiated Sabouraud Dextrose Chloramphenicol agar 20 plates 55 mm Ref. 43812

Count-Tact® applicator



Air & environment ø 90 mm

For use in unprotected areas

- Trypcase Soy agar** CE marked 20 /100 plates 90 mm..... Ref. 43011/43019
Sabouraud Dextrose Chloramphenicol agar 20 plates 90 mm..... Ref. 43596

For use in unprotected areas

- Trypcase Soy 3P Irradiated agar with neutralizers and β-lactamases** 20 plates 90 mm..... Ref. 43287
Sabouraud Dextrose Chloramphenicol Irradiated agar 20 plates 90 mm..... Ref. 43814

Water

Culture media and an identification test in compliance with the ISO 11731, NF T 90-431 and NF T 90-461 standards.

Legionella

FOR DETECTION AND NUMERATION

- GVPC agar** 20 plates Ref. 43031
GVPC agar 100 plates..... Ref. 43032

FOR CONFIRMATION OF THE *Legionella* genus

- BCYE with L-cysteine** 10 plates..... Ref. 43013
BCYE without L-cysteine 10 plates..... Ref. 43023

FOR IDENTIFICATION OF *L.pneumophila* AND *L.anisa*

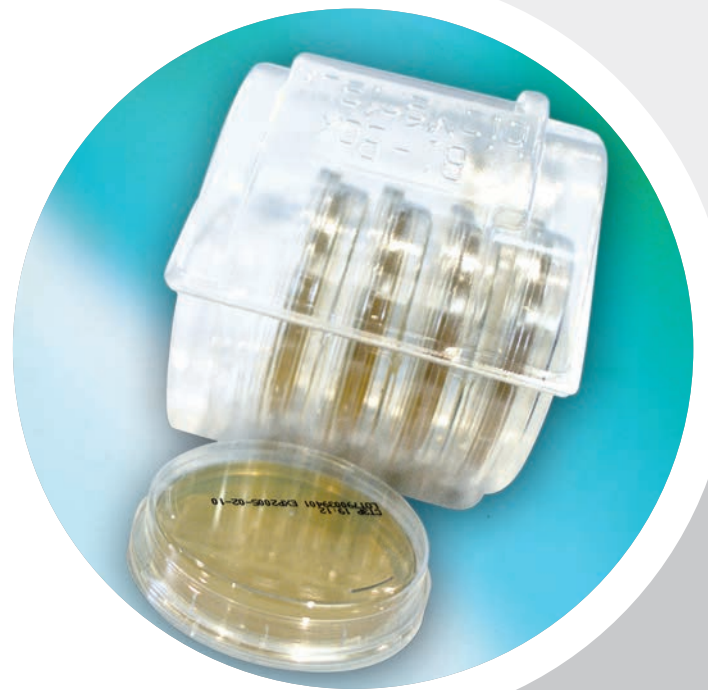
- SLIDEX® Legionella kit** 50 tests..... Ref. 73120

Others

ENUMERATION OF TOTAL VIABLE AEROBIC MICRO-ORGANISMS

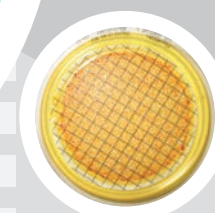
- R2A agar** 20 plates..... Ref. 43551

Bi-Box™ and
Count-Tact® plates



AES 
CHEMUNEX
 A BIOMÉRIEUX COMPANY

More products for
environmental monitoring on
AES Chemunex catalogue





LIST OF MICRO-ORGANISMS

MICRO-ORGANISMS	REF.	NAME	PLATE CLASSIFICATION	SPECIMENS
All	43041/43049	Columbia agar + 5% sheep blood	Blood agar	Urine, Genital, Suppuration, Throat, Blood culture, Cerebro spinal...
All bacteria Gram+	43071/43079	Columbia CNA agar + 5% sheep blood	Blood agar	Urine, Genital, Suppuration, Throat, Sputum, Blood culture, Cerebro spinal...
All	43050/43059	Columbia agar + 5% horse blood	Blood agar	Urine, Genital, Suppuration, Throat, Blood culture, Cerebro spinal...
All	43001/43009	Trypase Soy Agar+ 5% sheep blood	Blood agar	Genital, Throat, Blood culture, Cerebro spinal...
Anaerobes, <i>Corynebacteria</i> , <i>Listeria</i> , <i>Helicobacter Pylori</i> , <i>Gardnerella</i>	43401/43279	Schaedler agar + 5% sheep blood	Specific media	All types of specimens
All + <i>Branhamella</i> , <i>Pasteurella</i> , <i>Neisseria</i> , <i>Haemophilus</i> , <i>Streptococci</i>	43101/43109	Chocolate agar + PolyWiteX™ (PVX)	Blood agar	Genital, Suppuration, Throat, Blood culture, Cerebro spinal
<i>Burkholderia cepacia</i>	33631	BCSA agar	Chromogenic media for detection of pathogens in cystic fibrosis patients	Pulmonary specimens, Sputum, Broncho-alveolar lavages
<i>Campylobacter</i>	43361	Campyloesel agar	Specific media	Stools, Fecal collection
Candida, Fungi, Yeasts	43631/43639	chromID Candida	Chromogenic media for direct identification	Throat, Sputum, Blood culture, Cerebro spinal
Candida, Fungi, Yeasts	43464	chromID Candida / SGC2	Chromogenic media for direct identification	Throat, Sputum, Blood culture, Cerebro spinal
<i>Clostridium difficile</i>	43871	chromID C.difficile	Chromogenic media for the fight against HAI	Stools
<i>Clostridium difficile</i>	43431	<i>Clostridium difficile</i> agar	Specific media	Stools
<i>E.coli</i> O 157:H7	42605	chromID O157:H7	Chromogenic media for direct identification	Stools, Fecal collection
<i>E.coli</i> O157H7	43391	SMAC CT agar	Specific media	Stools, Fecal collection
<i>E.coli</i> , <i>Enterobacteriaceae</i> , <i>Enterococci</i> , <i>Non-Enterobacteriaceae</i> , <i>Proteus</i> , Yeasts, <i>Staphylococci</i>	43821/43829	chromID CPS	Chromogenic media for direct identification	Urine
<i>E.coli</i> , <i>Enterobacteriaceae</i> , <i>Non-Enterobacteriaceae</i> , <i>Proteus</i> , <i>Streptococci</i> , Yeasts, <i>Staphylococci</i>	411617	chromID CPS / Columbia CNA + 5% sheep blood	Chromogenic media for direct identification	Urine
<i>E.coli</i> , <i>Enterobacteriaceae</i> , <i>Non-Enterobacteriaceae</i> , <i>Proteus</i>	43081	Eosin-methylene blue agar	Simple media	Urine, Stools
<i>E.coli</i> , <i>Enterobacteriaceae</i> , <i>Non-Enterobacteriaceae</i> , <i>Proteus</i>	43331/43339	CLED agar	Simple media	Urine
<i>E.coli</i> , <i>Enterobacteriaceae</i> , <i>Non-Enterobacteriaceae</i> , <i>Proteus</i>	43072	CLED Andrade agar	Simple media	Urine
<i>E.coli</i> , <i>Enterobacteriaceae</i> , <i>Non-Enterobacteriaceae</i> , <i>Proteus</i> , <i>Shigella</i> , <i>Enterococci</i>	43141/43149	Mac Conkey agar	Simple media	Urine, Stools, Genital, Sputum, Cerebro spinal
<i>E.coli</i> , <i>Enterobacteriaceae</i> , <i>Proteus</i> , <i>Enterococci</i>	43021	BCP agar	Simple media	Urine, Stools, Genital
<i>Enterobacteriaceae</i> , <i>Non-Enterobacteriaceae</i>	43341	Drigalski agar	Simple media	Urine, Stools
<i>Enterobacteriaceae</i> Resistance	43481	chromID ESBL	Chromogenic media for the fight against HAI	Screening specimens
<i>Enterobacteriaceae</i> Resistance	43861	chromID CARBA	Chromogenic media for the fight against HAI	Screening specimens

MICRO-ORGANISMS	REF.	NAME	PLATE CLASSIFICATION	SPECIMENS
<i>Enterococci</i>	43151	D-Coccosel agar	Specific media	All
<i>Enterococci</i> Resistance	43004	chromID VRE	Chromogenic media for the fight against HAI	Stools, Rectal swabs
<i>Gardnerella</i>	43411/43039	Gardnerella agar	Specific media	Genital
<i>Haemophilus</i>	43681/43689	Haemophilus Chocolate 2 agar	Blood agar	Genital, Throat, Sputum
<i>Helicobacter pylori</i>	413193	Pylori agar	Specific media	Gastric biopsies
<i>Legionella</i>	43031	Legionella GVPC agar	Specific media	Sputum
Moulds, Candida, Fungi, Yeasts	43651/43659	Sabouraud Gentamicin Chloramphenicol 2 agar	Specific media	Genital, Suppuration, Throat, Sputum, Blood culture, Cerebro spinal
<i>Mycoplasma</i>	43003	A7 Mycoplasma agar	Specific media	Genital
<i>Neisseria</i>	43611	Chocolate agar + PolyVitek VCAT3 agar	Blood agar	Throat
<i>Pseudomonas aeruginosa</i>	43565	Cetrimide agar	Specific media	All
<i>Pseudomonas aeruginosa</i>	43462	chromID P.aeruginosa	Chromogenic media for detection of pathogens in cystic fibrosis patients	Pulmonary specimens
<i>Salmonella</i>	43621/43629	chromID Salmonella	Chromogenic media for direct identification	Stools, Fecal collection
<i>Salmonella, Shighella</i>	43465	chromID Salmonella / Hektoën	Chromogenic media for direct identification	Stools, Fecal collection
<i>Salmonella, Shighella</i>	43091/43099	SS agar	Simple media	Stools
<i>Salmonella, Shighella</i>	43111/43119	Hektoen agar	Simple media	Stools
<i>S. aureus</i> Resistance	43451/43459	chromID MRSA	Chromogenic media for the fight against HAI	Nose, Throat, Perineum...
<i>Staphylococci</i>	43371	chromID S.aureus	Chromogenic media for detection of pathogens in cystic fibrosis patients	Genital, Suppuration, Throat, Sputum...
<i>Staphylococci</i>	43466	chromID MRSA / chromID S.aureus	Chromogenic media for the fight against HAI	Nose, Throat, Perineum...
<i>Staphylococci</i>	43671/43679	Mannitol Salt 2 agar	Simple media	Suppuration, Throat, Sputum...
<i>Streptococcus agalactiae</i>	43461	chromID Strepto B	Chromogenic media for prevention of perinatal group B streptococcal disease	Genital, Urine, Ingested gastric fluid
<i>Streptococcus agalactiae</i>	43712	Granada agar	Chromogenic media for prevention of perinatal group B streptococcal disease	Genital, Urine, Ingested gastric fluid
<i>Streptococcus agalactiae</i>	42722	Granada Biphasic broth	Chromogenic media for prevention of perinatal group B streptococcal disease	Genital swabs
<i>Streptococcus agalactiae</i>	43467	Granada / Columbia CNA + 5% sheep blood	Chromogenic media for prevention of perinatal group B streptococcal disease	Genital, Urine, Ingested gastric fluid
<i>V. cholerae, V. parahaemolyticus</i>	43762	chromID Vibrio	Chromogenic media for direct identification	Stools
<i>Yersinia</i>	43421/43209	Yersinia CIN agar	Specific media	Stools

Susceptibility testing	43301/43309	Mueller Hinton 2 agar	Media for susceptibility testing - Etest
	43321/43329	Mueller Hinton 2 agar + 5% sheep blood	Media for susceptibility testing - Etest
	43901/43919/43904	Mueller Hinton agar with 5% horse blood + 20 mg/l β-NAD	Media for susceptibility testing - Etest
	411968	Brucella blood agar	Media for susceptibility testing - Etest
	AEB 122180/182	RPMI agar	Media for susceptibility testing - Etest



LIST OF CULTURE MEDIA AND ADDITIONAL PRODUCTS

PRODUCTS IN
ALPHABETICAL ORDER

* For microbiological control only

PRODUCT NAME	CODES	REFERENCES		
A7 Mycoplasma agar	MYCO	43003	PLATES	10 x 55 mm
Anaer indicator (for use with GENbox anaer & GENbag anaer)		96118		50 strips
Bacitracin test	BAC-F	55902		2 x 15 discs
Baird Parker medium	BP	43521* 43529*	PLATES PLATES	20 x 90 mm 100 x 90 mm
BCSA agar	BCSA	33631	PLATES	20 x 90 mm
BCP agar (Purple Lactose agar) 4 week storage at 15°-25°C	BCP BCP-F BCP-D	43021 41354 51035	PLATES BOTTLES DEHYDRATED	20 x 90 mm 6 x 200 ml 500 g
Bi-Box™ Count-Tact®		96301*		x 10 for Count-Tact plates
Bi-Box 90 Sterile box for collecting, transporting & incubating		96311*		x 10 for 90 mm plates
Blood agar	BASA-D	51039	DEHYDRATED	500 g
NEW BLSE agar	BLSE	AEB 525770	BIPLATES	20 x 90 mm
Brain-Heart infusion broth	BHI-T BHI-D	42081 51009	TUBES DEHYDRATED	20 x 9 ml 500 g
NEW Brucella Blood agar	BBA	411968	PLATES	20 x 90 mm
Campyloset agar Additional product: Campyloset mixture	CAM CAM-M	43361 55712	PLATES	20 x 90 mm 4 x 2 ml (lyo)
Cefinase	CEF-F	55622		50 discs
Cefixime - Tellurite mixture	CT-M	42606		6 x 4 ml (lyo)
Cetrimide agar	CET	43565	PLATES	20 x 90 mm
Chocolate agar + PolyViteX™ 4 week storage at 15°-25°C Additional product: PolyViteX	PVX CHOCO PVX-T CHOCO-F PVX-M	43101 43109 42079 41536 55651 55652	PLATES PLATES TUBES BOTTLES	20 x 90 mm 100 x 90 mm 20 (slanted) 6 x 100 ml 4 x 1 ml (lyo + solvent) 4 x 10 ml (lyo + solvent)
Chocolate agar + PolyViteX VCAT3 4 week storage at 15°-25°C	VCA3	43611	PLATES	20 x 90 mm
Chocolate Haemophilus 2 agar	HAEM2	43681 43689	PLATES PLATES	20 x 90 mm 100 x 90 mm
chromID range				
chromID Candida agar	CAN2	43631 43639	PLATES PLATES	20 x 90 mm 100 x 90 mm
chromID Candida / Sabouraud Gentamicin Chloramphenicol 2 agar	CAN2/SGC2	43464	BIPLATES	20 x 90 mm
NEW chromID C.difficile agar	CDIF	43871	PLATES	20 x 90 mm
chromID CPS agar 1 week storage at 15°-25°C	CPS	43821 43829	PLATES PLATES	20 x 90 mm 100 x 90 mm
chromID CPS / Columbia CNA + 5% sheep blood	CPS/CNA CPS 3/CNA	411617 43473	BIPLATES	20 x 90 mm
chromID O157H7 agar Additional product: Cefixime - Tellurite mixture	O157 :H7 ID-F CT-M	42605 42606	BOTTLES	6 x 200 ml 6 x 4 ml (lyo)
chromID P.aeruginosa agar	PAE	43462	PLATES	20 x 90 mm

PRODUCT NAME	CODES	REFERENCE		
chromID Salmonella agar	SM2	43621 43629	PLATES PLATES	20 x 90 mm 100 x 90 mm
chromID Salmonella / Hektoen agar	SM2/HEKT	43465	BIPLATES	20 x 90 mm
chromID S.aureus agar	SAID	43371	PLATES	20 x 90 mm
chromID Strepto B agar	STRB	43461	PLATES	20 x 90 mm
chromID VIBRIO agar	VIB	43762	PLATES	20 x 90 mm
chromID range / Screening of Multidrug - Resistant Organisms				
NEW chromID CARBA agar	CARB	43861	PLATES	20 x 90 mm
chromID ESBL agar	ESBL	43481	PLATES	20 x 90 mm
chromID ESBL / chromID VRE agar	ESBL/VRE	43470	BIPLATES	20 x 90 mm
chromID MRSA agar	MRSA	43451/43472 43459/43479	PLATES PLATES	20 x 90 mm 100 x 90 mm
chromID MRSA agar FDA approved - USA only	MRSA	43841	PLATES	20 x 90 mm
NEW chromID MRSA /chromID S.aureus agar	MRSA/SAID	43466	BIPLATES	20 x 90 mm
chromID VRE agar	VRE	43004	PLATES	20 x 90 mm
chromID VRE agar FDA approved - USA only	VRE	43851	PLATES	20 x 90 mm
CLED agar 4 week storage at 15°-25°C	CLED CLED-F CLED-D	43331 43339 41594 51052	PLATES PLATES BOTTLES DEHYDRATED	20 x 90 mm 100 x 90 mm 6 x 200 ml 500 g
CLED Andrade agar	CLEA	43072	PLATES	20 x 90 mm
Clostridium difficile agar <i>Additional product: Clostridium difficile mixture</i>	CLO CLO-M	43431 55691	PLATES	20 x 90 mm 4 x 2 ml (lyo)
CNA mixture	CNA-M	55673		8 x 2 ml (lyo)
Coletsos medium	COLETSOS-T	42082	TUBES	20 (slanted)
Color Gram 2 pack containing R1, R2, R3, R4 (240 ml each)	COLOR GRAM 2-F	55542		
R1	COLOR GRAM 2 R1-F	55545		1 x 2 liters
R2	COLOR GRAM 2 R2-F	55546		1 x 2 liters
R3	COLOR GRAM 2 R3-F	55547		1 x 2 liters
R4	COLOR GRAM 2 R4-F	55548		1 x 2 liters
Taps		55541		4
Columbia agar <i>Additional product: VCN mixture</i>	COLUMBIA-F COLUMBIA-D VCN-M	41244 51026 55663 55664	BOTTLES DEHYDRATED	6 x 200 ml 500 g 8 x 1 ml (lyo) 8 x 10 ml (lyo)
CNA mixture	CNA-M	55673		8 x 2 ml (lyo)
Clostridium difficile mixture	CLO-M	55691		4 x 2 ml (lyo)
Campylosel mixture	CAM-M	55712		4 x 2 ml (lyo)
Columbia agar + 5% horse blood	COH	43050 43059	PLATES PLATES	20 x 90 mm 100 x 90 mm
Columbia agar + 5% sheep blood	COS	43041 43049	PLATES PLATES	20 x 90 mm 100 x 90 mm
Columbia CNA agar	COL ANC-F	41286	BOTTLES	6 x 100 ml
Columbia CNA agar + 5% sheep blood	CNA	43071 43079	PLATES PLATES	20 x 90 mm 100 x 90 mm



LIST OF CULTURE MEDIA AND ADDITIONAL PRODUCTS

PRODUCTS IN
ALPHABETICAL ORDER

PRODUCT NAME	CODES	REFERENCE		
Count-Tact	CT	43501*	PLATES	20 x 55 mm
Count-Tact chromID ESBL	CT ESBL	411673*	PLATES	20 x 55 mm
Count-Tact chromID MRSA	CT MRSA	410155*	PLATES	20 x 55 mm
Count-Tact Applicator		96300*		
Count-Tact Without neutralizers	CT TSA	43582*	PLATES	20 x 55 mm
Count-Tact Sabouraud Dextrose Chloramphenicol Neutralizers agar	SAB	43580*	PLATES	20 x 55 mm
Count-Tact 3P Irradiated agar storage at 2°-25°C	CT3P	43691* 43699*	PLATES PLATES	20 x 55 mm 100 x 55 mm
Count-Tact Sabouraud Dextrose Agar 3P With neutralizers storage at 2°-25°C	SAB IRR	43812*	PLATES	20 x 55 mm
D-Coccosel agar	DCO DCO-T DCO-D	43151 42083 51025	PLATES TUBES DEHYDRATED	20 x 90 mm 20 (slanted) 500 g
Dermatophyte agar	DERM DERMATO-T	43062 42084	PLATES TUBES	20 x 90 mm 20 (slanted)
Drigalski agar 4 week storage at 15°-25°C	DRIG DRIG-F	43341 41314	PLATES BOTTLES	20 x 90 mm 6 x 200 ml
Endo agar	END	43231 43239	PLATES PLATES	20 x 90 mm 100 x 90 mm
Eosin-methylene blue agar	EMB EMB-D	43081 51033	PLATES DEHYDRATED	20 x 90 mm 500 g
Esculin agar	ESCU-T	42086	TUBES	20 agar deep
eSwab: flocked swab + AMIES liquid transport regular pediatric urogenital		41992 41991 41990		50 units + 50 tubes 50 units + 50 tubes 50 units + 50 tubes
eSwab: dry flocked swab		280101	NUCLISENS REAGENT	100 units
Gardnerella agar	GAR	43411	PLATES	20 x 90 mm
GENbag : clip seals x 10 microaer CO ₂ anaer anaer indicator		45511 45532 45533 45534 96118		20 tests 20 tests 20 tests 50 strips
GENbox : anaer microaer CO ₂ Jar 2.5 liters Jar 7.0 liters anaer indicator		96124 96125 96126 96127 96128 96118		10 sachets 10 sachets 10 sachets 1 unit 1 unit
Gonoline DUO 2	GONO DUO 2	56528		10 agar slides + 20 CO ₂ generating tablets
Granada™ agar	GRAN	43712	PLATES	20 x 90 mm
Granada agar/Columbia CNA + 5% sheep blood	GRAN/CNA	43467	BIPLATES	20 x 90 mm
Granada biphasic broth	GRANADA-T	42722	TUBES	40 tubes (lyo)

PRODUCT NAME	CODES	REFERENCE		
Hektoen agar	HEKT	43111	PLATES	20 x 90 mm
		43119	PLATES	100 x 90 mm
	HEKT- F	41554	BOTTLES	6 X 200 ml
	HEKT- D	51050	DEHYDRATED	500 g
Hémoline anaerobic performance	HEMOLINE ANA-F	52600	BOTTLES	12 X 100 ml
Hémoline diphasic performance	HEMOLINE DIPH-F	52510	BOTTLES	12 X 40 ml
Hémoline DUO performance (diphasic + anaerobic)	HEMOLINE DUO-F	52800	BOTTLES	6 X 2 bottles
ID color Catalase	ID-ASE	55561		2 x 5 ml
ID indole-TDA	ID-TDA	56541		R1: 2.5 ml R2: 2.5ml
Kanamycin-Vancomycin mixture	KV-M	55682		8 x 1 ml (lyo)
Kligler agar	KLIGLER-T	42087	TUBES	20 (slant + butt)
	KLIGLER-D	51059	DEHYDRATED	500 g
Kovacs - reagent		55631		1 x 25 ml
Legionella agar <i>Additional product: Enrichment supplement</i> Mixture for selective isolation	LEG-F	41054		6 X 200 ml
	LEG SUP-M	55641		4 x 2 ml (lyo)
	LEG SEL-M	55645		4 x 2 ml (lyo)
Legionella GVPC agar	GVPC	43031	PLATES	20 x 90 mm
BCYE with L-cysteine BCYE without L-cysteine		43032	PLATES	100 x 90 mm
	BCYE	43013*	PLATES	10 x 90 mm
	BCY	43023*	PLATES	10 x 90 mm
Loeffler agar	LOEFFLER-T	42088	TUBES	20 (slanted)
Löwenstein-Jensen medium	LJ-T	42089	TUBES	20 (slanted)
Löwenstein-Jensen medium + TCH	LJ TCH-T	42107	TUBES	20 (slanted)
MacConkey agar 4 week storage at 15°-25°C	MCK	43141	PLATES	20 x 90 mm
		43149	PLATES	100 x 90 mm
MacConkey / Columbia CNA + 5% sheep blood	MCK/CNA	43474	BIPLATES	20 x 90 mm
MacConkey agar without crystal violet	MC-D	51036	DEHYDRATED	500 g
Mannitol salt 2 agar 4 week storage at 15°-25°C	MSA2	43671	PLATES	20 x 90 mm
		43679	PLATES	100 x 90 mm
	MSA-T	42080	TUBES	20 (slanted)
	MSA-F	41606	BOTTLES	6 x 200 ml
	MSA-D	51053	DEHYDRATED	500 g
Mueller Hinton 2 agar	MH2	43301	PLATES	20 x 90 mm
		43309	PLATES	100 x 90 mm
		43302	PLATES	20 x 145 mm
		43511	PLATES	20 x 120 x 120 mm
	MH2- F	41864	BOTTLES	6 x 200 ml
	MH2-D	51075	DEHYDRATED	500 g
Mueller Hinton 2 agar + 5% sheep blood	MHS	43321	PLATES	20 x 90 mm
		43329	PLATES	100 x 90 mm
		43324	PLATES	20 x 120 x 120 mm
NEW Mueller Hinton agar +5% horse blood + NAD	MHF	43901	PLATES	20 x 90 mm
		43919	PLATES	100 x 90 mm
		43904	PLATES	20 x 120 x 120 mm
Mycoline	MYCOLINE	56525		10 slides
Mycoplasma IST 2	MYCOPLASMA IST 2	42505		25 tests



LIST OF CULTURE MEDIA AND ADDITIONAL PRODUCTS

PRODUCTS IN
ALPHABETICAL ORDER

PRODUCT NAME	CODES	REFERENCE		
Mycoplasma Preparation		42507		8 x 3.1 ml
ONPG Discs	ONPG	55601		30 discs
Optochin test	OPTO-F	55912		2 x 30 discs
Oxidase Reagent	OXI-T	55635		50 ampules
Peptone water	PW-T	42085	TUBES	20 x 9 ml
PolyViteX	POLYVITEX-M	55651 55652		4 x 1 ml (lyo) 4 x 10 ml (lyo)
Portagerm	PORT-T PORT-F	42105 41995	TUBES BOTTLES	20 (butt) 10 (butt)
Portagerm Amies Agar + Swab	PORT- AA	41999		50 units
Portagerm Amies Agar + Swab - Sterile zone	PORT-AASZ	41998		10 units
Portagerm pylori	PORT-PYL	42041	BOTTLES	8 x 2.5 ml
NEW PREVI™ Fluo TB		411009		R1-R4: 250 ml R2-R3-R5-R6: 125ml
Pylori agar	PYL	413193	PLATES	20 x 90 mm
Rabbit plasma Detection of staphylocoagulase	STAPH-ASE	55181 55182		8 x 0.5 ml (lyo) 1 x 3.5 ml (lyo)
Rappaport broth	RAPPAPORT-T	42091	TUBES	20 x 9 ml
NEW RPMI agar	RPMI	AEB 122180 AEB 122182	PLATES PLATES	10 x 90 mm 10 x 140 mm
Sabouraud 2 agar	SAB2-T SAB2-F SAB2-D	42037 42066 51020	TUBES BOTTLES DEHYDRATED	20 (slanted) 6 x 100 ml 500 g
Sabouraud 2 Chloramphenicol agar	SAB 2 CHL-T SAB 2 CHL-F SAB 2 CHL-D	42038 42067 51021	TUBES BOTTLES DEHYDRATED	20 (slanted) 6 x 100 ml 500 g
Sabouraud Chloramphenicol Actidione agar	SAB CHL ACTI -T	42094	TUBES	20 (slanted)
Sabouraud Dextrose agar	SDA	43555	PLATES	20 x 90 mm
Sabouraud Gentamicin Chloramphenicol 2 agar 4 week storage at 15°-25°C	SGC2 SAB 2 GENTA CHL-T SAB 2 GENTA CHL-F	43651 43659 42031 42056	PLATES PLATES TUBES BOTTLES	20 x 90 mm 100 x 90 mm 20 (slanted) 6 x 100 ml
Sabouraud liquid broth	SAB B-T	42108	TUBES	20 x 9 ml
Sabouraud Tetrazolium Gentamicin Chloramphenicol agar	SAB TTZ-T	42096	TUBES	20 (slanted)
Saline solution	NaCl 0.85 %-T	42113*	TUBES	100 x 9 ml
Schaedler agar + 5% sheep blood	SCS	43401 43279	PLATES PLATES	20 x 90 mm 100 x 90 mm
Schaedler broth + 0.02% agar + Vit K3	SCHAEDK3 0.02%-T	42097	TUBES	20 x 13 ml
Schaedler broth + 0.2% agar + Vit K3	SCHAEDK3 0.2%-T	42098	TUBES	20 x 13 ml
Schaedler broth + Vit K3	SCHAEDK3 -T	42106	TUBES	20 x 13 ml
Schaedler Neo. Vanco. + 5% sheep blood	SNVS	413194	PLATES	20 x 90 mm
Selenite F broth	SELENITE F-T	42099	TUBES	20 x 9 ml
SMAC CT agar	SMAC	43391	PLATES	20 x 90 mm
Cefixime - Tellurite mixture	CT-M	42606		6 x 4 ml (lyo)
SS agar 4 week storage at 15°-25°C	SS SS-D	43091 43099 51043	PLATES PLATES DEHYDRATED	20 x 90 mm 100 x 90 mm 500 g

PRODUCT NAME	CODES	REFERENCE		
Staining of acid-fast organisms				
Kinyoun solution	BKK-F	55521		1 x 450 ml
Gabett solution	BKG-F	55531		1 x 450 ml
Thioglycolate broth with resazurin	THIO-T	42074	TUBES	20 x 9 ml
Todd Hewitt broth + antibiotics	TODD-T	42116	TUBES	20 x 9 ml
Treatment of expectoration specimens for the investigation of mycobacteria				
Reagent 1 - L-cysteine		55211		5 g
Reagent 2 - benzalkonium chloride		42104		20 x 10 ml
		55222		1 x 450 ml
Reagent 3 - phosphate buffer pH 6.8		42103		20 x 15 ml
		55232		1 x 450 ml
Reagent 4 - 0.2% bovine albumin		55242		16 x 10 ml
Trypcase Soy agar	TSA	43011	PLATES	20 x 90 mm
		43019	PLATES	100 x 90 mm
	TSA-T	42101	TUBES	20 (slanted)
	TSA-F	41466	BOTTLES	6 x 200 ml
		41467	BOTTLES	6 x 100 ml
Trypcase Soy agar + 5% horse blood	TSH	43061	PLATES	20 x 90 mm
Trypcase Soy agar + 5% sheep blood	TSS	43001	PLATES	20 x 90 mm
		43009	PLATES	100 x 90 mm
Trypcase Soy broth	TSB-T	42100	TUBES	20 x 9 ml
Trypcase Soy 3P Irradiated agar storage at 2°-25°C	TSA3	43711*	PLATES	20 x 90 mm
30 g of culture medium		43169*	PLATES	100 x 90 mm
TSI agar	TSI-D	51047	DEHYDRATED	500 g
Urea-Arginine LYO 2 broth		42508		25 tests
Urea-indole medium	UI-F	55752	BOTTLES	10 x 10 ml
Uriline	URILINE	56507		10 dipslides
		56508		100 dipslides
Uriline 3 coli	URILINE 3	56527		10 dipslides
Uriline 3 enterococcus	URILINE 3 ENTEROCOCCUS	56526		10 dipslides
XLD agar	XLD	43563	PLATES	20 x 90 mm
		43564	PLATES	100 x 90 mm
	XLD-D	51049	DEHYDRATED	500 g
Yersinia CIN agar	YER	43421	PLATES	20 x 90 mm
		43209	PLATES	100 x 90 mm

CE marked products



NOTES

A series of horizontal dotted lines for writing notes, spanning the width of the page.





NOTES

A series of horizontal dotted lines for writing notes, spanning the width of the page.



02-12 / 9501637/002/CB/C / This document is not legally binding. bioMérieux reserves the right to modify specifications without notice / BIOMERIEUX, the blue logo, AES Chemunex & it's logo, AIR IDEAL, API, Bi-Box, chromID, Count-Tact, CPS, Etest, PREVI, PolyMitek, 3P, Silex and VITEK are used, pending and/or registered trademarks belonging to bioMérieux, one of it's subsidiaries or companies. / The ATCC Licensed Derivative Emblem, the ATCC Licensed Derivative word mark, and the ATCC catalog marks are trademarks of ATCC. bioMérieux is licensed to use these trademarks and to sell products derived from ATCC cultures. Granada is a trademark belonging to Dr Manuel de la Rosa. bioMérieux is licensed to use and sell this trademark. / Any other trademark is the property of its respective owner / bioMérieux SA RCS Lyon 673 620 399. Photos: bioMérieux, N. Boudhut, C. Ganet, Comstock, Gettyimages, GraphiObsession, Sartorius, Dr Schetter, Sullivan & Nicolaidis / Printed in France / **THERA Conseil** / RCS Lyon B 398 160 242.

ATCC® : 

bioMérieux S.A.
69280 Marcy l'Etoile
France

Tel. : 33 (0)4 78 87 20 00
Fax : 33 (0)4 78 87 20 90

www.biomerieux.com
www.biomerieux-diagnostics.com

