

THE WIDEST RANGE OF **CHROMOGENIC MEDIA** FOR  
**COLORFUL SPECIFIC MICROBIAL DIFFERENTIATION**



**CHR**  **Magar**<sup>™</sup>  
The Chromogenic Media Pioneer



DISCOVER OUR SOLUTIONS FOR  
**CLINICAL MICROBIOLOGY**

# CHROMagar

## THE CHROMOGENIC MEDIA PIONEER



Founded in 1993 by **Dr. Alain Rambach**, CHROMagar supplies the widest range of dehydrated chromogenic culture media.

Dr Rambach is the **inventor and pioneer of chromogenic culture media technology**. In 1979 he invented and patented the first chromogenic culture medium.

Based on its teaching, **CHROMagar team** continues its **commitment** to **innovation** and **quality**.

Our **mission** remains unchanged:  
Developing **rapid and efficient detection** and **identification solutions** to meet the **current and future challenges** of infection diagnosis and microbial infection control.



## CHROMOGENIC APPLICATIONS



We provide innovative chromogenic culture media solutions in **four main fields**:



**CLINICAL MICROBIOLOGY**



**FOOD INDUSTRY**



**WATER TESTING**



**VETERINARY MICROBIOLOGY**

## A TEAM COMMITTED TO INNOVATION



At CHROMagar, **innovation** and **research** had been at the heart of our activity for the past **45 years**.

**More than 30%** of our team is involved in **Research & Development**.

We continue to work on new solutions that facilitate and streamline **work** in laboratories, minimize **patient risks**, and reduce **healthcare costs**.

## WORLDWIDE RECOGNITION

With a network of distributors present all **around the globe**, CHROMagar™ is well-known in the microbiology community for its **quality and innovation**.



## REFERENCE LITERATURE



Renowned international scientists have studied the performance of our media, and **proved its efficiency**.

Consequently, our products have **the most extensive collection of publications and documentation** on chromogenic media.



# CLINICAL MICROBIOLOGY

A complete range of chromogenic culture media to help you in clinical diagnostics



**ISO 13485  
CERTIFIED**



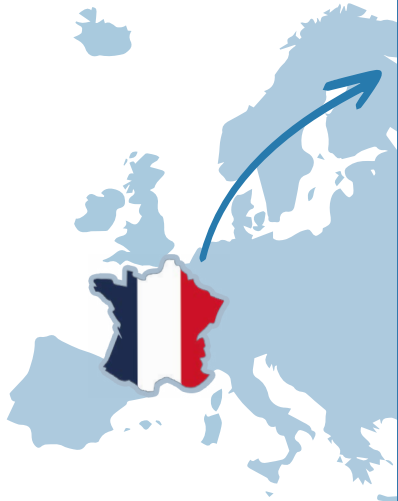
CHROMagar™ meets **rigorous quality standards** for products involved in clinical diagnostics.

Our commitment to **strict quality control** improves the company's processes with a view to complete client satisfaction.

## MADE IN FRANCE

All CHROMagar™ products designed for clinical applications are made in France and **CE marked**.

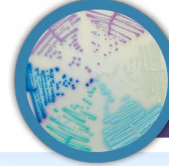
This assures the **highest possible quality** standards and **compliance with EU regulations** for design, performance evaluation, and quality control processes.



### EXCLUSIVE

#### CHROMagar™ Candida Plus

For detection and differentiation of major clinical *Candida* species, including *C. auris*



The **first and only** chromogenic medium designed to **detect and differentiate *C. auris***, as well as the major clinical *Candida* species.

SENSITIVITY ≈ 100%<sup>1</sup> SPECIFICITY ≈ 100%<sup>1</sup>

IVD CE

*C. auris*  
Light blue with blue halo

*C. albicans*  
Green-blue

*C. tropicalis*  
Metallic blue with pink halo

*C. krusei*  
Pink and fuzzy

*C. glabrata*  
Mauve

#### CHROMagar™ Orientation

For isolation and differentiation of urinary tract pathogens



An **impressive highly specific** medium designed for **detecting, differentiating, and presumptively identifying** uropathogens as *E. coli* (99,3% specificity) and *Enterococcus*.

SENSITIVITY ≈ 100%<sup>2</sup> SPECIFICITY 98%<sup>2</sup>

IVD CE

*E. coli*  
Dark pink to reddish

*Enterococcus*  
Turquoise blue

*S. aureus*  
Golden, opaque, small

*S. saprophyticus*  
Pink, opaque, small

*Streptococcus agalactiae*  
Light blue

*Klebsiella, Enterobacter, Serratia*  
Metallic blue

*Pseudomonas aeruginosa*  
Translucent, cream to blue

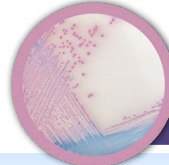
*Citrobacter*  
Metallic blue with red halo

*Candida albicans*  
Colorless

*Proteus*  
Brown halo

#### CHROMagar™ Salmonella

For detection and isolation of *Salmonella* species, including *S. Typhi* and *S. Paratyphi*



Compared to traditional media, this product **eliminates most false positives** and allows technicians to focus on the real contaminated samples.

SENSITIVITY 95%<sup>3</sup> SPECIFICITY 88,9%<sup>3</sup>

IVD CE

*Salmonella* including *S. Typhi*  
Mauve

Other **bacteria**  
Blue, colorless or inhibited

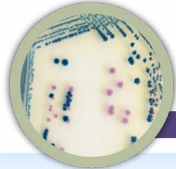
<sup>1</sup> Mulet Bayona et al., 2022. J. of Fungi. <sup>2</sup> Huang et al., 2001. Chinese Med. J. <sup>3</sup> Merlino et al. 1996. J. Clin. Microbiol.



## EXCLUSIVE

### CHROMagar™ Y.enterocolitica

For detection and differentiation of pathogenic *Yersinia enterocolitica*



This chromogenic medium is developed for an immediate differentiation of pathogenic biotypes through a distinctive colony color. Its high selectivity minimizes background flora.

SENSITIVITY ≈ 100%<sup>4</sup> SPECIFICITY 99%<sup>4</sup> IVD CE

Pathogenic *Y. enterocolitica*  
Mauve

Non-pathogenic *Y. enterocolitica*  
and other bacteria  
Inhibited, limited growth or metallic blue color

## EXCLUSIVE

### CHROMagar™ STEC

For detection of Shiga toxin-producing *E. coli* (STEC)



A chromogenic medium designed to detect not only the classical STEC O157 but also many other serotypes. It is an excellent tool for screening a large number of samples.

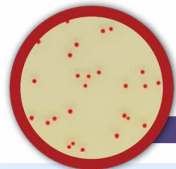
SENSITIVITY 91,4%<sup>5</sup> SPECIFICITY 86,7%<sup>5</sup> IVD CE

Most common STEC serotypes  
Mauve

Other *enterobacteriaceae*  
Colorless, blue or inhibited

### CHROMagar™ Campylobacter

For detection, differentiation and enumeration of thermotolerant *Campylobacter*



This chromogenic medium simplifies the detection of thermotolerant *Campylobacter* with red colonies on a translucent agar, facilitating the counting of colonies.

SENSITIVITY ≈ 100%<sup>6</sup> SPECIFICITY 94%<sup>6</sup> IVD CE

*Campylobacter jejuni*, *C. coli*, *C. lari*  
Red

Other bacteria  
Blue or inhibited

### CHROMagar™ C.difficile

For detection of *Clostridioides difficile*



A fluorogenic culture medium, extremely sensitive and selective, designed to simplify and speed up (24h) the culture of *C. difficile*.

SENSITIVITY 95,4%<sup>7</sup> SPECIFICITY 88,9%<sup>7</sup> IVD CE

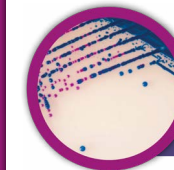
*C. difficile*  
Colorless and fluorescent under UV light  
at 365nm

Other bacteria  
Colorless, not fluorescent or inhibited

### LIM RambaQUICK™ StrepB Method

### CHROMagar™ StrepB

For the isolation and differentiation of Group B *Streptococcus* (*S. agalactiae*)



A powerful screening tool, that combines a selective enrichment broth with a highly specific and sensitive medium, allowing the detection of GBS (haemolytic and non-haemolytic) while largely inhibiting *Enterococci*.

SENSITIVITY 94%<sup>8</sup> SPECIFICITY ≈ 100%<sup>8</sup> IVD CE

Group B *Streptococcus*  
Mauve

Other Microorganisms  
Blue, colorless or inhibited

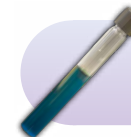


CHROMagar™ StrepB can be used alone or with the method.

## EXCLUSIVE

### LIM RambaQUICK™ StrepB

Selective enrichment broth for Group B *Streptococcus* (GBS) screening



1 Enrichment in  
LIM RambaQUICK™  
StrepB broth for  
6-18h at 37 °C

2 Plate in  
CHROMagar™  
StrepB 18-24h  
at 37 °C

IVD CE

<sup>4</sup> Renaud et al., 2013. J. Clin. Microbiol. <sup>5</sup> Gouali et al., 2013. Eur. J. Clin. Microbiol. <sup>6</sup> Bensorsa-Nedjar et al., 2017. RICA.

<sup>7</sup> Roux et al., 2014. ASM Poster.

<sup>8</sup> Salem & Anderson, 2015. Pathology.





**EXCLUSIVE**

**CHROMagar™ StrepA** For screening of Group A *Streptococci* in throat samples

A new chromogenic medium allowing for a **straight forward color differentiation of GAS colonies** among the other bacteria in the complex throat flora.

**SENSITIVITY 96,7%<sup>9</sup> SPECIFICITY ≈ 100%<sup>9</sup>** **IVD CE**

<b>Group A <i>Streptococcus</i></b> Orange to red	<b>Other oral <i>Streptococci</i></b> Colorless or blue
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**EXCLUSIVE**

**CHROMagar™ Serratia** For detection of *Serratia marcescens*

A culture medium perfectly suited for *Serratia marcescens* screening.

**SENSITIVITY ≈ 100%<sup>10</sup> SPECIFICITY 97%<sup>10</sup>** **IVD CE**

<b><i>S. marcescens</i></b> Green-blue to metallic blue	<b>Other bacteria</b> Mostly inhibited, red or colorless
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**EXCLUSIVE**

**CHROMagar™ B.cepacia** For detection and enumeration of *Burkholderia cepacia* complex (BCC)

A chromogenic medium that detect **BCC** within **36h**. It's a solution for the **slowest-growing species** that may be missed on conventional media due to the **overgrowth of other organisms**.

**SENSITIVITY ≈ 100%<sup>11</sup> SPECIFICITY 95%<sup>11</sup>** **IVD CE**

<b><i>Burkholderia spp.</i></b> Blue + / - blue halo
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**CHROMagar™ MRSA** For isolation and differentiation of methicillin-resistant *Staphylococcus aureus* (MRSA)

The **first and revolutionary** chromogenic medium for the detection of **methicillin resistant *Staphylococcus aureus***. It significantly reduced response time and laboratory workload, enabling essential **large-scale patient screening**.

**SENSITIVITY 95,6%<sup>12</sup> SPECIFICITY ≈ 100%<sup>12</sup>** **IVD CE**

<b>Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)</b> Pink to mauve	<b>Methicillin susceptible <i>Staphylococcus aureus</i></b> Inhibited	<b>Other bacteria</b> Blue, colorless or inhibited
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**CHROMagar™ mSuperCARBA™** For detection and isolation of Carbapenem resistant *Enterobacteriaceae* (CRE)

Designed to **detect a wide range of carbapenemase producers** (KPC, NDM, VIM, IMP, OXA...) with an **impressive limit of detection** (10 CFU/ml). It can even detect weakly expressed carbapenemases like OXA-48 and OXA-244 while maintaining **high selectivity**.

**SENSITIVITY ≈ 100%<sup>13</sup> SPECIFICITY ≈ 100%<sup>13</sup>** **IVD CE**

<b>CRE <i>E. coli</i></b> Dark pink to reddish	<b>CRE coliforms</b> Metallic blue	<b>Other gram (-) CRE</b> Colorless	<b>Other gram (-) non-CRE</b> Mostly inhibited
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**CHROMagar™ VRE** For detection of Van A/Van B *VRE. faecalis* & *VRE. faecium*

A chromogenic medium that enables the **easy** and **rapid detection** of **vancomycin-resistant *E. faecalis*** and ***E. faecium*** after only **24h** of incubation.

**SENSITIVITY 95,5%<sup>14</sup> SPECIFICITY 90,4%<sup>14</sup>** **IVD CE**

<b><i>VRE. faecalis/VRE. faecium</i></b> Pink to mauve	<b><i>E. gallinarum/E. casseliflavus</i></b> Blue or inhibited	<b>Other bacteria</b> Inhibited
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<sup>9</sup> Gaskin et al., 2019. ASM Microbe.

<sup>10</sup> Gaskin et al., 2020. ECCMID.

<sup>11</sup> Massoti et al., 2021. RICAI poster.

<sup>12</sup> Loulergue et al. 2006. Eur. J. Clin. Microbiol. Infect. Dis.

<sup>13</sup> Garcia-Fernandez et al., 2017. Diagn. Micr. Infect. Dis.

<sup>14</sup> Miller et al. 2011. CACMID.

# DRUG RESISTANT BACTERIA DETECTION

A range of chromogenic culture media specially designed for screening resistant bacteria



**EXCLUSIVE**

**CHROMagar™  
Acinetobacter**

**For detection of *Acinetobacter* species and multidrug-resistant *Acinetobacter* (MDR-A)**

A chromogenic medium specifically designed to **facilitate colonization surveillance** in hospitals by allowing its **overnight growth** with an intense red colony color.

**SENSITIVITY** ≈ 100%<sup>15</sup> **SPECIFICITY** 99,9%<sup>15</sup> **IVD** **CE**

<i>Acinetobacter</i> spp. Red	Other gram (-) Blue or mostly inhibited
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**CHROMagar™  
COL-APSE**

**For detection of colistin-resistant gram-negative bacteria**

May be useful as a **primary isolation medium** for detecting **colistin-resistant bacteria**, particularly those with plasmid-mediated mcr-1 or novel mechanisms of polymyxin resistance. It has an **impressive limit of detection** of 10 CFU/mL.

**SENSITIVITY** ≈ 100%<sup>16</sup> **SPECIFICITY** 81%<sup>16</sup> **IVD** **CE**

<b>COL-R <i>E. coli</i></b> Dark pink to reddish	<b>COL-R <i>Klebsiella</i>, <i>Enterobacter</i>, <i>Citrobacter</i>, <i>Serratia</i></b> Metallic blue	<b>COL-R <i>Pseudomonas</i></b> Traslucent cream to green	<b>COL-R <i>Acitenobacter</i></b> Cream, opaque
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**CHROMagar™  
MH Orientation**

**Chromogenic Mueller Hinton agar**

**RESEARCH USE ONLY**

This chromogenic medium, available for **research use only**, facilitates **chromogenic identification and antibiotic susceptibility testing** on the same plate. It can be used with **direct inoculation** of the sample.

**CONCORDANCE WITH STANDARD PROCEDURE** 94,8%<sup>17</sup>

<i>E. coli</i> Dark pink to reddish	<i>Enterococcus</i> Turquoise blue	<i>Klebsiella</i> , <i>Enterobacter</i> , <i>Citrobacter</i> Metallic blue	<i>Proteus</i> Cream, opaque
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**EXCLUSIVE**

**CHROMagar™  
LIN-R**

**For detection and differentiation of gram (+) bacteria resistant to linezolid**

A new chromogenic screening medium for **detecting, isolating, and differentiating** strains of *Staphylococcus* and *Enterococcus* resistant to linezolid.

**SENSITIVITY** 99%<sup>18</sup> **SPECIFICITY** ≈ 100%<sup>18</sup> **IVD** **CE**

<b>LZD-R <i>S. aureus</i></b> Pink	<b>LZD-R <i>S. epidermidis</i></b> Pink	<b>LZD-R <i>Enterococcus</i></b> Metallic blue
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**CHROMagar™  
ESBL**

**For overnight detection of gram-negative bacteria producing Extended Spectrum Beta-Lactamase**

Designed to enable the **early detection** of **carriers of ESBL-producing bacteria**, this chromogenic medium allows **direct culture from specimens** without the need for a selective pre-enrichment.

**SENSITIVITY** ≈ 100%<sup>19</sup> **SPECIFICITY** 97%<sup>19</sup> **IVD** **CE**

<i>E. coli</i> ESBL Dark pink to reddish	<i>Klebsiella</i> , <i>Enterobacter</i> , <i>Citrobacter</i> ESBL Metallic blue (+/- red halo)	<i>Proteus</i> ESBL Brown halo
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**CHROMagar™  
Staph aureus**

**For isolation and direct differentiation of *Staphylococcus aureus***

This chromogenic medium has **unrivalled sensitivity and specificity** for detecting *S. aureus* within 18h-24h.

**SENSITIVITY** 95,4%<sup>20</sup> **SPECIFICITY** 99,4%<sup>20</sup> **IVD** **CE**

<i>Staphylococcus aureus</i> Pink to mauve	Other bacteria Colorless, blue or inhibited
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<sup>15</sup> Gaillot et al., 2010. ICAAC.

<sup>16</sup> Abdul Momin et al., 2017. J. Med Microbiol.

<sup>17</sup> Cercenado et al., 2009. ECCMID.

<sup>18</sup> F. Layer et al., 2021. Diagn. Micr. Infect. Dis.

<sup>19</sup> Laudat et al., 2010. SFM.

<sup>20</sup> Gaillot et al., 2000. J. Clin. Microbiol.

# WHY CHOOSE CHROMagar™ ?

## ● HIGH QUALITY AND PERFORMANCE

≈ **97%**<sup>21</sup>

Average **SENSITIVITY** of our clinical media

≈ **95%**<sup>21</sup>

Average **SPECIFICITY** of our clinical media

And we **keep working** every day to **improve the performance** of our solutions !

## ● FAST RESULTS



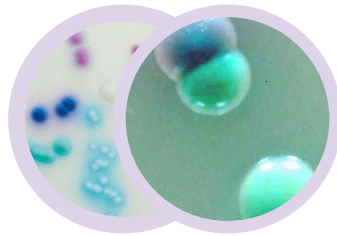
Results can be interpreted after

**18-48h**

## ● INTENSE COLORS

**Intense colors** that **remain in each colony**.

Furthermore, there is **no need for pH adjustment**, and the colour **remains stable** after 18h, 24h, 48h.



## ● DEHYDRATED MEDIA

Our products are commercialized in **dehydrated** form in the following **sizes**:



**5L**

For around **250 plates**



**25L**

For around **1250 plates**



**Other sizes** are also available **under request**

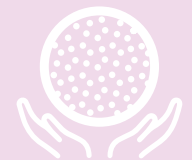
**10-25Kg**

## WHY DEHYDRATED ?



Because this helps **simplify logistics** and **gain flexibility** in transportation and storage, as they can be shipped at **room temperature**.

Because it also ensures that the product has a **long shelf life** and allows you to prepare new plates **only when you need** them. This makes it possible to reduce waste of **expired ready-to-use plates**.



<sup>21</sup>The average is calculated based on our range of clinically microbiology media presented in this catalog.

# THE ADVANTAGES OF CHROMOGENIC MEDIA

## EASY INTERPRETATION



Easy **bacterial differentiation** by interpreting **colony color**, thanks to the specific enzymatic reactions for each bacterium.

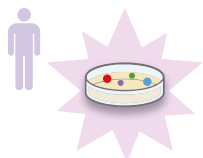
Results are visually interpreted, minimizing the need for additional **complex and time-consuming testing**.

## SAVE MONEY AND TIME

CHROMagar™ media also offer **advantages** in terms of **efficiency, speed, and cost reduction** in overall analysis (including both, materials and labor expenses).



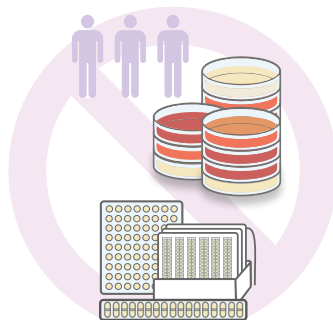
## HOW ? CHROMagar™ VS TRADITIONAL MEDIA



The **SUPERIOR DETECTION PERFORMANCE** of CHROMagar™ plates allows for the replacement of multiple traditional media in the same test, **reducing manpower** requirements and **minimizing space and waste** in cold storage and incubators.

Their **GREATER SPECIFICITY** also enables **simpler confirmatory tests**, minimizing the need for expensive biochemical panels. Also, just one colony requires confirmation, improving the process and with **no need to investigate multiple colonies** with different morphologies.

No need for purification subculture, resulting in a streamlined process with **reduced labor** and **faster results**.



# PRODUCT REFERENCES



PRODUCT NAME	SIZE	PRODUCT CODE
CHROMagar™ <b>Candida Plus</b>	5 L 25 L 10 kg	CA242 CA243-25 CA243-10kg
CHROMagar™ <b>Orientation</b>	5 L 25 L 10 kg	RT412 RT413-25 RT413-10kg
CHROMagar™ <b>Salmonella</b>	5 L 25 L	SA132 SA133-25
CHROMagar™ <b>C.difficile</b>	5 L	Base + Supplement CD122
CHROMagar™ <b>StrepB</b>	5 L 25 L	Base + 2 Supplements SB282 Base + 2 Supplements SB283-25
<b>LIM RambaQUICK™</b> <b>StrepB</b>	5 L	LB082
CHROMagar™ <b>StrepA</b>	5 L 25 L	Base + Supplement SP372 Base + Supplement SP373-25
CHROMagar™ <b>Serratia</b>	5 L	Base + Supplement SM302
CHROMagar™ <b>B.cepacia</b>	5 L	BK992
CHROMagar™ <b>MRSA</b>	5 L	Base + Supplement MR502
CHROMagar™ <b>mSuperCARBA™</b>	5 L 25 L	SC172 SC173-25
CHROMagar™ <b>VRE</b>	5 L 10 kg	Base + Supplement VR952 Base + Supplement VR953-10kg
CHROMagar™ <b>Acinetobacter</b>	5 L	Base + Supplement AC092 Supplement MDR CR102 CR102
CHROMagar™ <b>COL-APSE</b>	5 L	Base + Supplement CO262
CHROMagar™ <b>MH Orientation</b>	5 L 25 L	Base + Supplement MH482 Base + Supplement MH483-25
CHROMagar™ <b>LIN-R</b>	5 L	Base + Supplement LN762
CHROMagar™ <b>ESBL</b>	5 L 25 L	Base + Supplement ES372 Base + Supplement ES373-25
CHROMagar™ <b>Y.enterocolitica</b>	5 L	Base + Supplement YE492
CHROMagar™ <b>Staph aureus</b>	5 L	TA672
CHROMagar™ <b>STEC</b>	5 L 10 kg	Base + Supplement ST162 Base + Supplement ST163-10kg
CHROMagar™ <b>Campylobacter</b>	5 L 25 L	Base + Supplement CP572 Base + Supplement CP573-25



## ASK YOUR LOCAL DISTRIBUTOR FOR MORE INFORMATION

Vertrieb durch / distributed by:

**Mast Diagnostica GmbH**

Feldstraße 20

DE-23858 Reinfeld

Tel. +49 (0)4533 2007 0

Fax +49 (0)4533 2007 68

mast@mast-diagnostica.de / [www.mast-group.com](http://www.mast-group.com)

**Mast  
Group**



**CHROMagar™**  
The Chromogenic Media Pioneer

[CHROMagar.com](http://CHROMagar.com)



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