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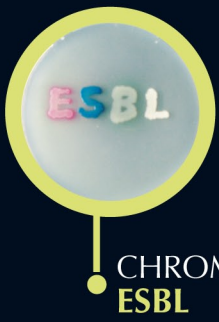


CHROMagar™
ESBL

CHROMagar solutions

Drug resistant bacteria Detection & Surveillance

CHROMagar

The Chromogenic Media Pioneer

Fast and accurate detection of bacteria expressing acquired drug resistance is a keystone in both, the therapeutic treatment success and, the control of their epidemic spread. Microbiology detection procedures based on classical culture media used to involve many tedious manipulation steps and long time responses, making large scale screening and surveillance almost unworkable, specially in a period where squeezed budgets, cuts and shortening in manpower are sought in the healthcare re-organisation.

CHROMagar introduced a revolution in this field in 2002, with the first chromogenic medium for the detection of Methicillin Resistant *Staphylococcus aureus*: CHROMagar™ MRSA. This medium lead to such significant reductions in both, the response time and laboratory workload, that it allowed an absolutely necessary wide-scale patient screening.

The CHROMagar commitment to maintain the innovation effort has lead to a wide range of **chromogenic culture media** specially designed for the **detection of drug and multi-drug resistant** bacteria, after overnight incubation, directly from clinical specimens or surveillance cultures.

A CDC report estimates that *"the annual direct hospital cost of treating HAI (Hospital Acquired Infections) ranges from $28.4 billion to $45 billion, and that improving infection control could save roughly $6 billion to $32 billion"* March 2009

CHROMagar

The Chromogenic Media Pioneer

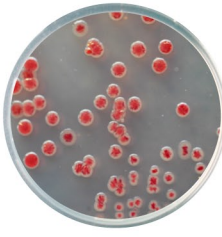
Detection of gram negative bacteria with a reduced susceptibility to most of carbapenem agents.

CHROMagar™ KPC

Carbapenems are one of the last options to treat severe infections. Thus, the worldwide spread of carbapenem-hydrolyzing beta-lactamases represents an important threat for effectiveness of antibiotics in the near future. CHROMagar™ KPC was designed for the detection of gram-negative bacteria harbouring reduced susceptibility to most of the carbapenem agents.

Detection of *Acinetobacter*

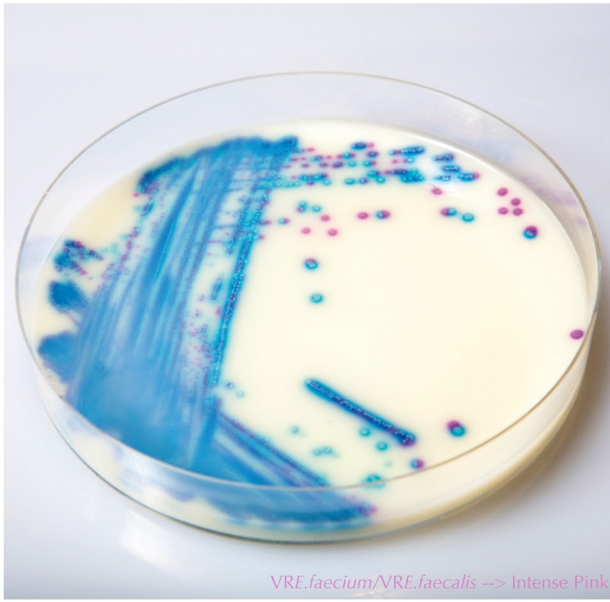
CHROMagar™ Acinetobacter



Acinetobacter is an organism that has a high capacity for survival on environmental surfaces. Its ability to acquire antimicrobial resistance is a cause of increased concern for nosocomial infections. In hospitals, *Acinetobacter baumanii,* for instance, can enter into the body through open wounds, catheters, and breathing tubes.

Any effective infection control policy should include a faecal surveillance. CHROMagar™ Acinetobacter is a tool specifically designed to facilitate this step, by allowing its growth in an intense red colony colour.

ments.



Detection of ESBL- producing gram negative bacteria.

CHROMagar™ ESBL

ESBL comprise a group of enzymes conferring resistance to a wide range of β-lactams, including the most recently developed cephalosporins and monobactams, thus limiting therapeutic options. ESBL enzymes are plasmid mediated, which explains their fast spread among different bacteria.

CHROMagar™ ESBL was developed with the aim to allow for their detection after overnight incubation, with two additional features: (1) species differentiation by the colony colour: *E.coli* in red, *Klebsiella* in blue, (2) inhibition of most AmpC producers (common false positives in traditional methods).

ore information about our products, please refer to our website / Technical Docu

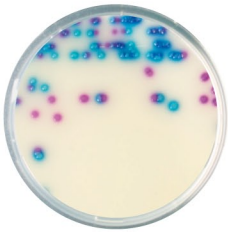
Detection of Methicillin Resistant *Staphylococcus aureus*

CHROMagar™ MRSA

Since 2002, CHROMagar™ MRSA is the first chromogenic weapon in the nosocomial infections war.

Detection of Vancomycin Resistant *Enterococci*

CHROMagar™ VRE



When *E.faecalis* or *E.faecium* show reduced susceptibility to Vancomycin it is because they have acquired this resistance, usually a gene in a plasmid or a transposon. Therefore, to avoid the spread of this resistance to more virulent pathogens (*S.aureus*, for instance) it is crucial to promptly detect the presence of any of these two species in the patient, and accurately differentiate them from other *Enterococci*.

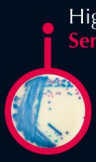
CHROMagar™ VRE is designed to allow the growth of Vancomycin resistant *E.faecium* and *E.faecalis* as mauve colonies, while other bacteria's growth will be inhibited or as blue colonies.

Visit our website
www.CHROMagar.com

CHROMagar Solutions
for Drug Resistant bacteria
Detection & Surveillance

CHROMagar™ Acinetobacter
CHROMagar™ ESBL
CHROMagar™ KPC
CHROMagar™ MRSA
CHROMagar™ VRE

Intense
Colours



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Sensitive

Rapid
& Accurate

**Ask your local distributor
for more information**

LF-EXT-023 | Version 2 Jan-13

CHROMagar

The Chromogenic Media Pioneer

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