

IVD solutions through partnership



CHROMagar™ Orientation

For isolation and differentiation
of urinary tract pathogens

A large, circular inset image showing a petri dish with a yellow agar medium. The surface is covered with numerous bacterial colonies of various colors, including purple, blue, and yellow, demonstrating the results of a CHROMagar orientation test.

CHROMagar™
The Chromogenic Media Pioneer

● CHROMagar™ Orientation

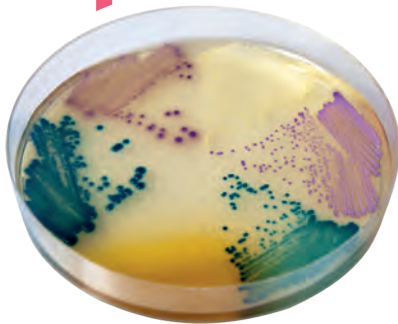
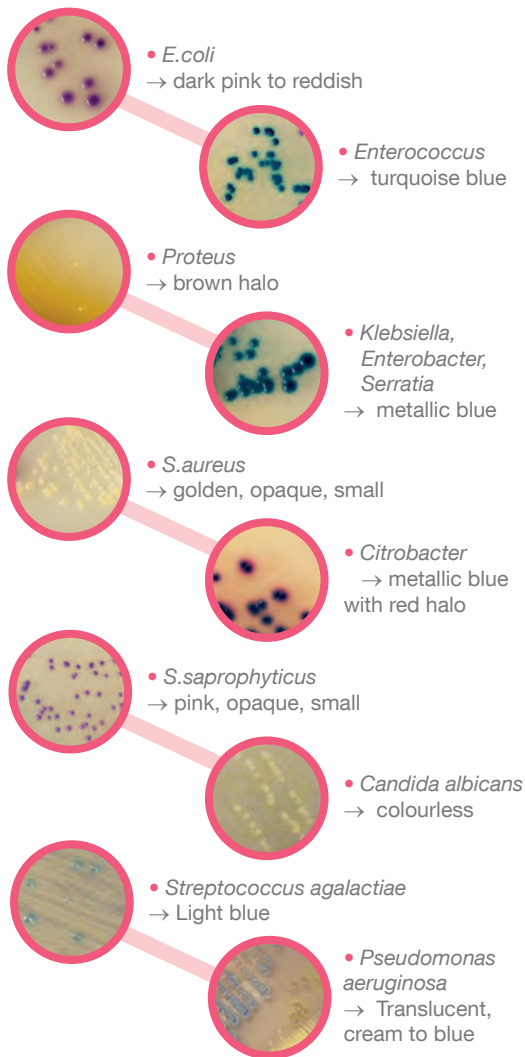


Plate Reading



For isolation and differentiation of urinary tract pathogens

Background

Urine analysis is the most common clinical microbial test. For instance, in France in 2007, out of 10 million bacteriology tests carried out, 6 million (60 %) were urine analyses. Thus, any workload reduction related to this analysis will dramatically improve the efficiency of the laboratory.

Medium Performance

1

Instant palette of colours to obtain a large spectrum of species differentiation

CHROMagar™ Orientation has several advantages over traditional media:

- allows in most cases full differentiation of the pathogens
- allows for reliable detection semi-quantitative and presumptive identification of urinary tract pathogens
- easier recognition of mixed growth
- provides higher detection rates

2

High detection of minor population

The proper use of CHROMagar™ Orientation will correctly pinpoint the presence of a minor population and will help to establish the right diagnosis and therapy.

3

Save time and reduce workload

The most common UTI pathogen is *E. coli*, found in 40-70 % of infections. CHROMagar™ Orientation has a specificity of 99,3 %* for *E. coli*, rendering the species confirmatory test largely unnecessary.

Merlino, J. et al. 1996. Evaluation of CHROMagar™ Orientation for Differentiation and Presumptive Identification of Gram-Negative Bacilli and Enterococcus Species, J.C.M. 34: 1788-1793.

One plate of CHROMagar™ Orientation will give the same information as the combination of the 3 classical plates used for UTI analysis (blood agar, CLED and MacConkey agar). Moreover, since it is easy to differentiate mixed flora on CHROMagar™ Orientation, antimicrobial susceptibility tests can be performed directly from primary isolates without the need of subcultures.

*Samra, Z et al. 1998. Evaluation of use of a new chromogenic agar in detection of urinary tract pathogens, J.C.M. 36: 990-994

4

Isolation of a variety of Microorganisms

The major target of this medium is the detection of urinary tract pathogens but CHROMagar™ Orientation has a broader application when supplemented with various antibiotics in detecting increasingly important nosocomial and multidrug resistant microorganisms (See CHROMagar™ ESBL and CHROMagar™ KPC).

CHROMagar™ can also be used to differentiate various microorganisms in environmental field.

Medium Description

Powder Base	
Total	33 g/L
Agar	15.0
Peptone and yeast extract	17.0
Chromogenic mix	1.0
Storage at 15/30 °C - pH: 7.0 +/-0.2	
Shelf Life	> 18 months

Usual Samples	urine, surfaces, air, clinical and other materials.
Procedure	Direct Steaking. Incubation at 35-37 °C, 18-24 h. Aerobic condition.

Scientific Publications on this product: available on www.CHROMagar.com
Please read carefully the instructions for use (IFU document) available on www.CHROMagar.com



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Ordering Information

Product	Order Code
CHROMagar™ Orientation dry media, 5 liter	15RT412
CHROMagar™ Orientation ready to use plates, 20 pcs.	201410