Clinical Microbiology

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CHROMagar™ Orientation

For isolation and differentiation of urinary tract pathogens

CHROMagar

The Chromogenic Media Pioneer

1 ps.

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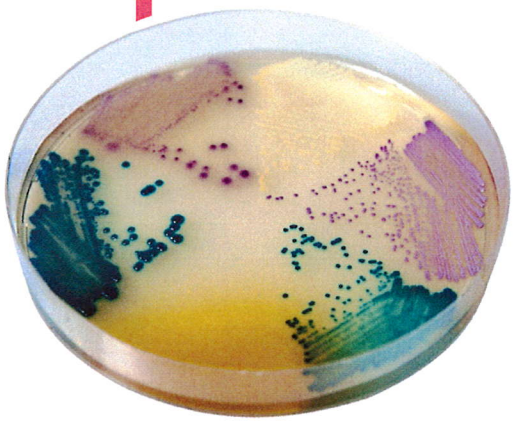
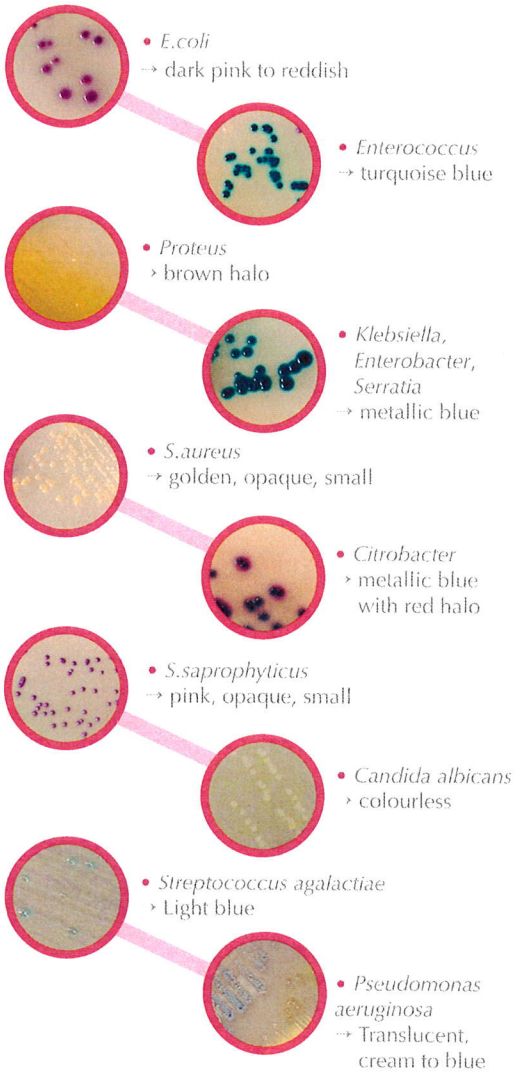


For isolation and differentiation of urinary tract pathogens

Background

Urinanalysis 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 urinanalyses. Thus, any workload reduction related to this analysis will dramatically improve the efficiency of the laboratory.

Plate Reading



Quality Control Strains

E. faecalis ATCC® 29212	turquoise blue
E. coli ATCC® 25922	reddish
S. aureus ATCC® 12600	golden yellow
S. epidermidis ATCC® 12228	colourless
S. saprophyticus ATCC® 15305	pink
K. pneumoniae ATCC® 13883	metallic blue

ATCC® is a registered trademark of the American Type Culture Collection

Medium Performance

1 INSTANT PALETTE OF COLOURS TO OBTAIN A LARGE SPECTRUM OF SPECIES DIFFERENCIATION

CHROMagar™ Orientation has several advantages over traditional media:
- allows in most cases full differentiation of the pathogens
- allows for reliable detection, enumeration 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. 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.

** 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.*

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 as a general nutrient agar for the isolation of various microorganisms. CHROMagar™ Orientation can also be used to differentiate various microorganisms in other infected areas; e.g. scars. In addition, CHROMagar™ Orientation is useful when supplemented with various antibiotics in detecting increasingly important nosocomial and multidrug resistant microorganisms (See CHROMagar™ ESBL and CHROMagar™ KPC).

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 ..... 2 years 4d.5.

Usual Samples	urine
Procedure	Direct Streaking. Incubation at 37°C, 18-24h. 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 2 pl

Order References

Please use these product references when contacting your local distributor:

1000 ml pack RT410
5000 ml pack RT412
25 L pack RT413-25

Manufacturer: CHROMagar
4 place du 18 juin 1940 75006 Paris - France
Email: CHROMagar@CHROMagar.com
Website: www.CHROMagar.com

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