

● CHROMagar™ Orientation



**For isolation and differentiation
of urinary tract pathogens**

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Background

Urinalysis 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 urinalyses. 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, 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

Usual Samples	urine
Procedure	Direct Streaking. Incubation at 37°C, 18-24h. Aerobic condition.
Scientific Publications on this product: available on www.CHROMagar.com For detailed preparation procedure, please refer to our IFU.	



Plate Reading

- *E.coli*
→ dark pink to reddish
- *Enterococcus*
→ turquoise blue
- *Proteus*
→ brown halo
- *Klebsiella, Enterobacter*
→ metallic blue
- *S.aureus*
→ golden, opaque, small
- *Citrobacter*
→ metallic blue with red halo
- *S.saprophyticus*
→ pink, opaque, small

Quality Control Strains

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

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

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
- Bulk on request

CHROMagar
4 place du 18 juin 1940
75006 Paris - France

Find your nearest distributor on
www.CHROMagar.com/contact