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Colorex™ Orientation

For isolation and differentiation of urinary tract pathogens

Colorex™

Ready to use plates made with the original CHROMagar powder base

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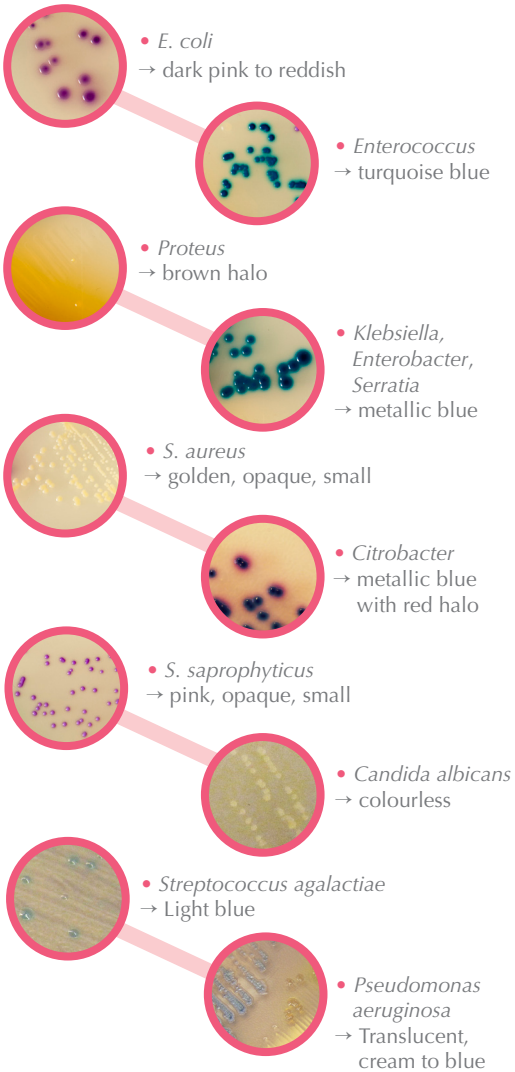
Plate Reading



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.

Medium Performance

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

Colorex™ 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 Colorex™ 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. Colorex™ Orientation has a specificity of **99,3 %*** for *E. coli*, rendering the species confirmatory test largely unnecessary. One plate of Colorex™ 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 Colorex™ 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 Colorex™ Orientation has a broader application as a general nutrient agar for the isolation of various microorganisms. Colorex™ Orientation can also be used to differentiate various microorganisms in other infected areas; e.g. scars. In addition, Colorex™ Orientation is useful when supplemented with various antibiotics in detecting increasingly important nosocomial and multidrug resistant microorganisms (See Colorex™ ESBL and Colorex™ 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, 18-24 h. Aerobic condition.

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