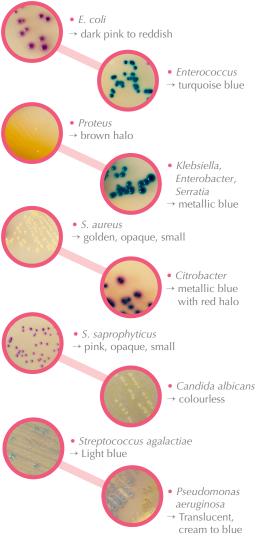




For isolation and differentiation of urinary tract pathogens

**Colorex**™



# 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**

# 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<sup>™</sup> Orientation has a specificity of **99,3** %\* for *E. coli*, rendering the species confirmatory test largely unnecessary. One plate of Colorex<sup>™</sup> 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 flo a on Colorex<sup>™</sup> Orientation, antimicrobial susceptibility tests can be performed directly from primary isolates without the need of subcultures.

\* Merlino, J. et al. 1996. Evaluation of CHROMagar<sup>TM</sup> 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

urine
Direct Streaking. Incubation at 37 °C, 18-24 h. Aerobic condition.

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