

## COLOREX™ Urine Orientation



For isolation and differentiation  
of urinary tract pathogens



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## BACKGROUND: Advancing urianalysis

Urianalysis, a cornerstone in clinical microbial testing, plays a pivotal role in diagnosing urinary tract infections (UTIs). According to a study published by the National Institutes of Health, titled “*Temporal Trends in Urine Culture Rates in the U.S. Acute Care Hospitals During 2012–2017*,” Acute Care Hospitals (ACH) alone conducted a staggering 4,946,717 urine cultures during the course of the study. Streamlining this analysis is critical, and COLOREX™ Orientation with its spectrum of colors is a transformative breakthrough that enhances urine culture reading and interpretation.

## MEDIUM PERFORMANCE: Unleashing a spectrum of differentiation

- INSTANT PALETTE OF COLORS:** COLOREX™ Orientation stands out with its immediate color differentiation, allowing for a comprehensive spectrum of urinary tract pathogen identification. This intuitive color palette facilitates the easy recognition of mixed growth, and significantly enhancing detection rates.
- PINPOINT SIGNIFICANT ORGANISMS PRESENT IN LOW COLONY COUNTS:** Uncover significant organisms, even if present in low colony counts, with COLOREX™ Orientation. This capability aids in establishing accurate diagnoses and tailored therapeutic interventions.
- TIME AND WORKLOAD EFFICIENCY:** With *E. coli*, the predominant UTI pathogen (found in 40-70% of infections), COLOREX™ Orientation boasts an impressive 99.3%\* accuracy, obviating the need for additional confirmatory tests. A single plate of COLOREX™ Orientation provides equivalent information to the combination of

three classical plates traditionally used for UTI analysis (blood agar, blood CNA, and MacConkey agar). Moreover, easy differentiation of mixed flora enables direct antimicrobial susceptibility tests from primary isolates, eliminating the need for subcultures.

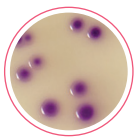
\* (Merlino, J. et al. 1996. Evaluation of CHROMagar™ Orientation for Differentiation and Presumptive Isolation of a Variety of Microorganisms.)

- BROAD APPLICATION: BEYOND UTI ANALYSIS:** While the primary focus of COLOREX™ Orientation is the detection of urinary tract pathogens, its versatility extends to being a general nutrient agar for the isolation of various microorganisms. The medium proves invaluable for differentiating microorganisms in other infected areas, such as scars. When supplemented with various antibiotics, COLOREX™ Orientation becomes a powerful tool for detecting nosocomial and multidrug-resistant microorganisms, as demonstrated with COLOREX™ ESBL and COLOREX™ KPC.

## POWDER MEDIUM DESCRIPTION

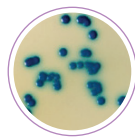
<b>Powder Base</b>	Total .....	33 g/L
	Agar .....	5.0
	Peptone and yeast extract .....	17.0
	Chromogenic mix .....	1.0
	Storage at 15/30 °C - pH: 7.0 ± 0.2	
	<b>Shelf Life .....</b>	<b>2 years</b>
<b>Usual Samples</b>	Urine	
<b>Procedure</b>	Direct Streaking. Incubation at 37 °C, 18-24 h. Aerobic condition.	

## PLATE READING



***E. coli***

dark pink to reddish



***Enterococcus***

turquoise blue



***Proteus***

brown halo



***Klebsiella, Enterobacter, Serratia***

metallic blue



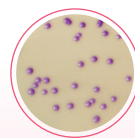
***S. aureus***

golden, opaque, small



***Citrobacter***

metallic blue with red halo



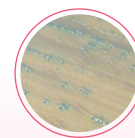
***S. saprophyticus***

pink, opaque, small



***Candida albicans***

colorless



***Streptococcus agalctiae***

light blue



***Pseudomonas aeruginosa***

translucent, cream to blue

**COLOREX™**

Plates Made with the Original CHROMagar™ Powder

**CHROMAGAR, Paris - France**

[www.COLOREX-Media.com](http://www.COLOREX-Media.com)

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