

● Colorex™ C3G^R



**For overnight detection of Gram-negative
bacteria producing Beta-Lactamase**

Colorex™

Ready to use plates made with the original CHROMagar™ powder base

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Background

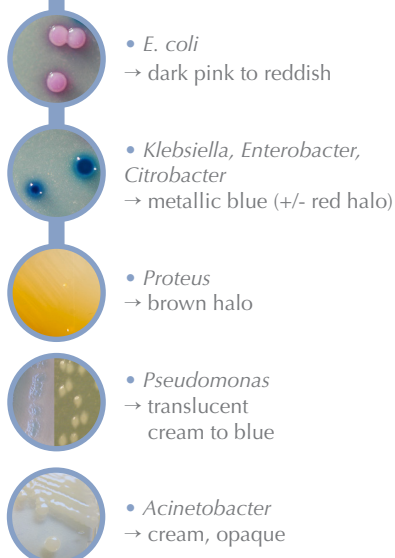
β-Lactamase production (ESBL, AmpC,...) is the most common mechanism of β-lactam drug resistance in gram-negative bacteria. Many clinical laboratories currently screen for ESBLs but do not screen for AmpC β-lactamases; though bacteria (mostly *Klebsiella pneumoniae*, *E. coli*, *Enterobacter* and *Proteus*) producing plasmid-mediated AmpC β-lactamases have been responsible for nosocomial outbreaks.

Therefore, it is crucial to ensure that proper surveillance is in place to help establish appropriate guidelines and policies for infection control. Rapid detection of bacteria producing these enzymes also allows for de-escalation to more targeted therapy, to conserve carbapenem antibiotics for more serious infections.

Medium Performance

Colorex™ C3G^R combines the species colour differentiation and a selectivity that allows the growth of microorganisms with the reduced susceptibility to 3rd generation cephalosporins.

Plate Reading



- 1 FAST RESULTS**
Detection after overnight incubation.
- 2 SPECIES DIFFERENTIATION**
Thanks to the chromogenic performances of supplemented Colorex™ Orientation. Indeed, the product is composed of a base Colorex™ Orientation and a supplement to select β-Lactamase producing bacteria.
- 3 HIGH SENSITIVITY**
Unique medium not inhibiting plasmid-mediated AmpC-producing bacteria.
- 4 TIME AND WORKLOAD SAVINGS**
Direct culture from specimen. There is no need of a selective pre-enrichment.

Medium Description

Powder Base (Colorex™ Orientation)	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
Colorex™ C3G^R Supplement (included in the pack)	Selective mix (Powder form) 0.37 g/L Storage at 2/8°C Shelf Life 2 years
Usual Samples	stools, urine
Procedure	Direct Streaking. Incubation 18-24h at 37°C. Aerobic conditions