

● 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

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

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.

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
+ Colorex™ C3G^R Supplement (included in the pack)	Peptone and yeast extract	17.0
	Chromogenic mix	1.0
	Storage at 15/30°C - pH: 7.0 +/-0.2	
	Shelf Life	2 years
	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

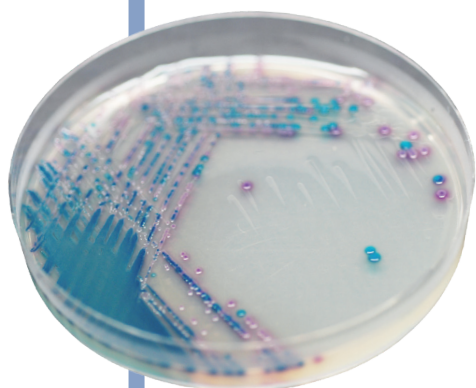
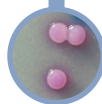
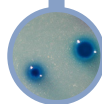

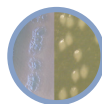



Plate Reading

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 - *E. coli*
→ dark pink to reddish
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 - *Klebsiella*, *Enterobacter*,
Citrobacter
→ metallic blue (+/- red halo)
- 
 - *Proteus*
→ brown halo
- 
 - *Pseudomonas*
→ translucent
cream to blue
- 
 - *Acinetobacter*
→ cream, opaque