

● Colorex™ KPC



**For detection of gram-negative bacteria
with a reduced susceptibility
to most of the carbapenem agents**

Colorex™

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

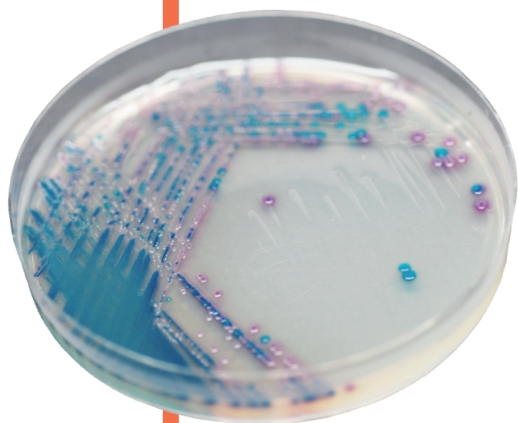


Plate Reading

- *E. coli* Carbapenem^R
→ dark pink to reddish
- *Klebsiella*, *Enterobacter*,
Citrobacter Carbapenem^R
→ metallic blue (+/- red halo)
- *Pseudomonas* Carbapenem^R
→ translucent
cream to blue
- *Acinetobacter* Carbapenem^R
→ cream, opaque
- Carbapenem^S strains
→ inhibited

For detection of gram-negative bacteria with a reduced susceptibility to most of the carbapenem agents

Background

Worldwide reports of resistance to carbapenems found in *Enterobacteriaceae* are a major health concern, specially in the case where the reducing susceptibility mechanism is the production of enzymes like KPC, OXA or MBL (ex: the recently reported NDM-1).

Carbapenems are the last resort in treating many serious gram-negative infections. However, production of these enzymes results in resistance to penicillins, cephalosporins (i.e., cefepime, ceftriaxone), carbapenems (i.e., meropenem, ertapenem), and aztreonam, thereby making these pathogens truly multidrug-resistant and making their treatment very challenging.

« KPC-producing bacteria have demonstrated a remarkable ability to disseminate with inter-facility, interstate, and international transmission having been documented. » CDC 2008-R-24. Thus, in order to limit the spread of these serious pathogens, rapid detection, followed by implementation of adequate infection control methods, is essential.

Medium Performance

- 1 DETECTION AFTER OVERNIGHT INCUBATION**
Detection of gram-negative bacteria expressing a reduced susceptibility to antibiotics of the carbapenem family.
- 2 TIME AND WORKLOAD SAVINGS**
There is no need for a selective pre-enrichment medium. Direct plating of the sample is possible.
- 3 SHORT INCUBATION**
Requires only 18-24 hours of incubation.
- 4 FLEXIBILITY**
Colorex™ KPC Supplement is supplied with a shelf-life of about 2 years. This allows for flexibility of use, whether in an epidemic situation with many patients to screen, or whether for random surveillance of cultures.

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	
Colorex™ KPC Supplement (included in the pack)	Shelf Life	2 years
	Selective mix (Powder form)	0.4 g/L
	Storage at 2/8 °C	
	Shelf Life	2 years

Usual Samples	stools, urine
Procedure	Direct Streaking. Incubation 18-24 h at 37 °C Aerobic conditions.

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