



## CHROMagar™ KPC

*A Petri dish containing chromogenic medium for the direct isolation and presumptive identification of Carbapenem Resistant Bacteria*

### **Cat. No. PD 420**

90mm Prepared plates

Pkg.: 10 units in a nylon bag

Expiry Date: Printed on label and on the item

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### **Storage**

Store at 2-8<sup>0</sup> C. Protected from light.

### **Composition (g/L)**

Peptone and Yeast Extract: 17.0, Agar: 15.0, Chromogenix mix, Inhibitors

### **Intended Use**

The medium may be used for the screening of KPC strains from clinical specimens.

### **Principle**

The medium utilizes the classic chromogenic agar CHROMagar Orientation base, supplemented with inhibitors that make it highly selective for Gram negative bacteria. Its great sensitivity supports the growth of Gram-Negative Carbapenem Resistant bacteria including the most fastidious strains, leading to their easy detection and presumptive identification by their specific colored colonies, according to their chemical and enzymatic properties.

### **Procedure**

1. For clinical specimens: rectal swabs, use standard collection procedures.
2. If the plates have been refrigerated, allow to return to room temperature before inoculation.  
Streak sample onto plate and incubate aerobically at 35 ± 2<sup>0</sup> C for 24 hours in an inverted position (agar-side up.)

### Interpretation of Results (Carbapenem Resistant Bacteria)

Microorganism	Colony Morphology
<i>E.coli</i>	Pink-red, flat, medium size (Confirm by Indole Positive reaction)
<i>Klebsiella, Enterobater spp</i>	Metallic blue, mucoid, rather big
<i>Citrobacter spp</i>	Blue may be surrounded by a diffuse pink-mauve halo
<i>Pseudomonas spp</i>	Creamy, green, translucent, rather big, non swarming
Gram-positive cocci	Inhibited
Gram-positive rods	Inhibited, or scanty growth of turquoise blue colonies

### Procedure Limitations

- Confirmation of *Pseudomonas* and *Enterobactereaceae* other than *E. coli* ID should be accomplished by further tests.
- Minimize as possible exposure of CHROMagar KPC to light before and during incubation in order to avoid destroying the chromogens. Keep plates within the original pack.
- Incubation beyond 24 hours may potentially increase the number of false positive results.

### Disposal

Used contaminated test material should be handled by standard decontamination methods such as autoclaving or incineration.