CHROMagar™ KPC supplement

Selective supplement for detection of bacteria with carbapenem resistance (KPC type for instance)**.**
(to be used in CHROMagar Orientation)

NT-EXT-049
Version 2 20-Sep-10

article number KP102 : 5000 ml vial
article number KP103 : bulk size

STORAGE Store the powder at 2/8°C until the shelflife date indicated on the label.

COMPOSITION in g/L Selective mix 0.4 g/L (Classical formula adjusted and/or supplemented as required to meet performance criteria).

PREPARATION
Warning: Reconstituted supplement solution must be used the same day. Do not store and re-use a supplement solution.

Aliquote the required supplement for 400 mg/L final. Add purified water to make a supplement solution at 40 mg/ml.
Suspension appearance : opaque-yellowish.

Vortex this supplement to homogenise and add, in the proportion of 10 ml/L of final media, to melted **CHROMagar™ Orientation** cooled at 45/50°C, then stir to make **CHROMagar™KPC**. Pour into Petri dishes and cool.

Store in the dark. Prepared media plates can be kept for one day at ambient temperature. Plates can be stored for up to two weeks under refrigeration (2/8°C) if properly prepared and protected from light and dehydration.

INOCULATION
If the agar plate has been refrigerated, allow to warm to room temperature before inoculation. Streak sample onto plate and incubate at 37°C for 18-24 hours.

INTERPRETATION

Microorganism	**→ Typical colony appearance**
Carbapenem^{R} strains	→ growth as following :
E.coli	→ red
Klebsiella, *Enterobacter*, *Citrobacter*	→ metallic blue
Pseudomonas	→ cream, translucent
Carbapenem^{S} strains	→ inhibited
Gram(+) strains	→ inhibited
Yeasts	→ mostly inhibited

Performance has not been established.

DISPOSAL OF WASTE After interpretation all plates should be destroyed by autoclaving at 121°C for at least 20 minutes.

English. Research Use Only, Not for Use in diagnostic Procedures. Laboratory product to be used only by trained personnel.

BIBLIOGRAPHY

Samra, Z, *et al.* 2008. Evaluation of CHROMagar KPC for Rapid Detection of Carbapenem-Resistant *Enterobacteriaceae*. J.Clin. Microbiol. 46: 3110-3111

Available from CHROMagar :

CHROMagar™ Candida
Differentiation of major pathogenic *Candida* species

CHROMagar™ Orientation
Differentiation of urinary tract pathogens

Rambach™ Agar
Detection of *Salmonella* spp

CHROMagar™ Salmonella
Detection of *Salmonella* including *S.* Typhi

CHROMagar™ Salmonella Plus
Detection of *Salmonella* according to the ISO 6579:2002 norm

CHROMagar™ O157
Detection of *E.coli* O157

CHROMagar™ E.coli
Detection and enumeration of *E.coli*

CHROMagar™ ECC
Detection and enumeration of *E.coli* and coliforms

CHROMagar™ Liquid ECC
Broth for pad technique for *E.coli*-coliforms

CHROMagar™ Staph aureus
Detection and enumeration of *Staphylococcus aureus*

CHROMagar™ MRSA
Detection of MRSA including low level MRSA

CHROMagar™ Listeria
Detection and enumeration of *Listeria monocytogenes*

CHROMagar™ Vibrio
Detection and enumeration of *Vibrio parahaemolyticus*, *Vibrio vulnificus* and *Vibrio cholerae*

CHROMagar™ VRE
Detection of *E.faecium* VRE & *E.faecalis* VRE

CHROMagar™ StrepB
Detection of *Streptococcus agalactiae* (GBS)

CHROMagar™ ESBL
Detection of ESBL-producing bacteria

CHROMagar™ KPC
Detection of Carbapenem-resistant bacteria

Visit CHROMagar on internet
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