

CHROMAGAR VRE

INTENDED USE:

Chromogenic medium for detection of Van A / Van B VRE.faecalis & VRE.faecium.

PRINCIPLE AND INTERPRETATION:

There are two types of vancomycin resistance in enterococci. The first type is intrinsic resistance (mostly VanC type but also VanD, VanE, VanF etc) found in *E.gallinarum* and *E.casseliflavus*/*E.flavescens* and demonstrates a low-level resistance to vancomycin. The second type of vancomycin resistance in enterococci is acquired resistance (VanA & VanB types), mostly seen in *E.faecium* and *E.faecalis*. Therefore, to avoid the spread of this resistance to more virulent pathogens (*S.aureus*, for instance) it is crucial to promptly detect the presence of any of these two species in the patient, and accurately differentiate them from other Enterococci.

COMPOSITION:

Ingredients	Gr/Liter
Peptones and yeast extract	20 gr
Salts	5 gr
Chromogenic mix	27,3 gr
VRE Supplement	0,06 gr
Agar	15 gr

***Formula adjusted, standardized to suit performance parameters

pH: 6,9 ± 0,2

PRECAUTIONS:

For professional use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

TEST PROCEDURE:

Related samples can be processed by direct streaking on the plate, as well as prior appropriate enrichment step.

- If the agar plate has been refrigerated, allow to warm to room temperature before inoculation.
- Streak sample onto plate
- Incubate in aerobic conditions at 37°C for 24 hours

QUALITY CONTROL:**1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 6,9 ± 0,2

Apperance: White

3.Microbiological Control: Incubation at 37 °C during 24 h.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
<i>Enterococcus faecalis</i> ATCC 51299	10-100	Growth	Pink to mauve
<i>Enterococcus faecalis</i> ATCC 29212	100-1000	Inhibition	-
<i>E.coli</i> ATCC 25922	100-1000	Inhibition	-

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2 - 12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

DISPOSAL:

Incubated prepared medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected plate should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

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PACKAGING:

Katalog Number: 02022

Packaging: Single wrap

Content: 10 plates/each package

REFERENCES:

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2. 2012 Hindley et al Department of microbiology and infectious diseases ASM 2012
3. 2012 Massoud Hajia^{1,2}, Mohammad Rahbar^{1,2*} and Mona Mohammad Zadeh³ ¹Department of Microbiology, Iranian Reference Health laboratory, Ministry of Health and Medical Educations, Tehran, Iran. ²Antibiotic Resistance Research Center, Tehran University
4. Evaluation of Chromogenic Agar for Screening Vancomycin-resistant Enterococcus (VRE) 2009 Pillai et al. Poster 2009.
5. Utility of CHROMagar VRE for the Identification of VRE in Epidemiology Screens 2009 Jones et al. Poster 2009.
6. Evaluation of a ColorexTM chromogenic media and Bile-esculin azide agar with 6ug vancomycin for the detection of Vancomycin Resistant Enterococcus faecalis and Enterococcus faecium (VRE) 2009 Almohri et al. Poster 2009.



Aseptic Sterile



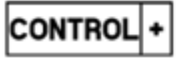
Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature
Limitation



Do not reuse



Contains sufficient
for <n> tests



Look at user manual



Manufacturer



CE Mark