Colorex™ VRE Agar

Instructions for Use

10-6201 InTray™ Colorex™ VRE, 2"tray, 20 trays/box
10-6207 InTray™ Colorex™ VRE, 2"tray, 5 trays/box

INTENDED USE

Colorex™ VRE is a selective and differential chromogenic medium, containing vancomycin, intended for use in isolation of pure cultures of vancomycin resistant *Enterococcus faecium* and *Enterococcus faecalis* (VRE) from laboratory samples. Further, colony color is used to differentiate transmissible forms of resistance (i.e., *Van*A & *Van*B resistance) from intrinsically resistant (i.e. *Van*C, *Van*D, *Van*E, etc.) strains. The test can be performed with samples of composed of mixed populations of bacteria, e.g., stool, biological fluids, surface streaks, etc. Colorex™ VRE is not intended for use in the identification of colonization with VRE to aid in the prevention and control of VRE in healthcare settings. Colorex™ VRE is not intended to diagnose VRE infections, guide or monitor treatment for infections, or provide susceptibility results to vancomycin. Sub-culture is necessary for bacterial identification and susceptibility testing.

DESCRIPTION AND PRINCIPLE OF USE

With Colorex™ VRE medium, VR *E. faecalis* and VR *E. faecium* strains are easily distinguishable by colony color. Selective additives inhibit the growth of yeast, gram-negative bacteria, non-*Enterococcus* gram-positive strains, and vancomycin-sensitive *Enterococcus*. Typical media, e.g. Bile Esculine Agar w/ vancomycin gives no differentiation between transmissibly resistant *E. faecalis/E. faecium* and other intrinsically resistant enterococci; it often leads to false positives by other esculine hydrolysing bacteria, i.e. lactococcus, pediococcus, etc.

STORAGE

Upon receipt, store InTray™ Colorex™ VRE under refrigeration (2-8°C). Medium can be kept for one day at ambient temperature. Protect media from exposure to light, excessive heat, moisture and freezing. Do not open until ready to use. Do not use if the medium shows signs of deterioration, shrinking, cracking, discoloration or contamination.

INOCULATION PROCEDURE

Allow the InTray™ to warm to room temperature. Lift the lower right corner of the flexible InTray™ label until the protective seal is completely visible. Remove the paper-foil seal by pulling the tab (Fig. 1). **Discard** the seal. **DO NOT REMOVE OR ALTER THE WHITE FILTER STRIP OVER THE VENT HOLE!**

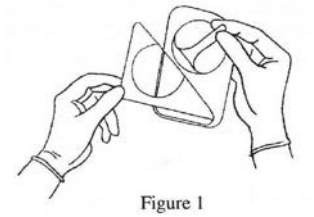


Figure 1

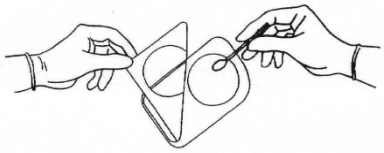


Figure 2

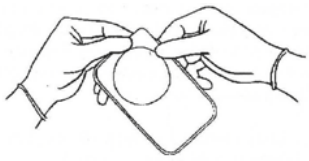


Figure 3

Streak laboratory sample onto the agar surface for isolation (Fig. 2). Reseal the InTray™ label to the plastic tray body. **Press all around the perimeter of the InTray™ to ensure a complete seal** (Fig. 3). Immediately label the InTray™ with sample information and date. **DO NOT COVER THE VIEWING WINDOW.**

CULTURE AND RESULTS

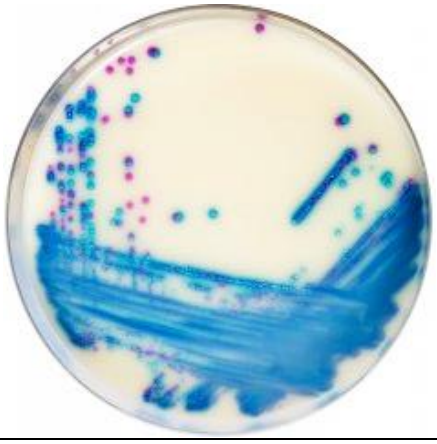
Incubate at 37°±2°C for 24 hours under ambient atmosphere. Colonies of *VR Enterococcus* appear mauve (transmissible, i.e., *Van*A & *Van*B mediated resistance) or blue (intrinsic, i.e., *Van*C, *Van*D, *Van*E mediated resistance). Non-resistant bacteria are inhibited.

LIMITATIONS/PRECAUTIONS

For *in vitro* diagnostic use. Sub-culturing is required for identification as VRE, e.g., by biochemical profiling or vancomycin susceptibility testing. If vancomycin susceptibility testing is necessary, one of the Clinical and Laboratory Standards Institute (CLSI) reference methods should be used; alternatively, a commercial antibiotic susceptibility test cleared for use by the Food and Drug Administration (FDA) can be substituted. Some rare strains of *Lactobacilli* and *Pediococcus* can sometimes appear as pinpoint mauve colonies. Once the InTray™ has been inoculated and resealed, re-open only in a biological safety cabinet. Because of the potential for containing infectious materials, the InTray™ must be destroyed by autoclaving at 121°C for 20 minutes.

INTERPRETATION

Organism	Colony Appearance
Van A/*Van* B strains:	
VR *E. faecalis*	Mauve
VR *E. faecium*	"
Other VR strains:	
E. gallinarum	Blue or inhibited
E. casseliflavus	"
Other bacteria	Inhibited.



REAGENTS

Colorex™ VRE contains agar, peptone nutrients, salts, antimicrobial selective compounds and chromogenic additives.

QUALITY CONTROL

All Colorex™ VRE Agar products are performance verified with the following ATCC® microbe strains. Product performance is also verified periodically throughout the marked shelf life of each lot.

Organism	ATCC®	Colony Appearance
Vancomycin^{R} strain:		
E. faecalis	51299	Mauve
Vancomycin^{S} strain:		
E. faecalis	29212	Inhibited
Other bacteria:		
E. casseliflavus	700327	Blue or inhibited
E. gallinarum	49573	"
E. coli	25922	Inhibited
S. aureus	25923	"
C. tropicalis	66029	"

SYMBOL KEY			
Symbol	Used For	Symbol	Used For
LOT	Batch code	18° 25°	Temperature limitation
	Date of manufacture	REF	Catalog number
	Use by YYY-MM-DD or YYYY-MM		Caution, consult accompanying documents
	Manufacturer	EC REP	Authorized representative in the European Community
IVD	In vitro diagnostic medical device	CE	in European community

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