

B1028	ENTEROCOCCUS PRESUMPTIVE BROTH					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		5.00				
Yeast extract		5.00				
Dextrose		5.00				
Sodium azide		0.40				
Bromothymol blue		0.032				
Final pH (at 25°C) :		8.4 ± 0.2				
Directions :						
Suspend 15.4 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense in 100 ml quantities in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the broth to room temperature and add 65 units of Penicillin to each 100 ml of broth prior to use.						
Principle :						
Casein enzymic hydrolysate, yeast extract, dextrose provide essential growth nutrients for Enterococci. Sodium azide inhibits gram – negative organisms. Penicillin has inhibitory effect on Staphylococci. The positive presumptive tests are confirmed by inoculating Enterococcus Presumptive Broth to Enterococcus Confirmatory slant – broth combination prepared with an Azide Agar medium (Enterococcus Confirmatory Agar) overlaid with a Salt Azide Penicillin Broth (Enterococcus confirmatory Broth). A negative catalase test is considered confirmed positive evidence of the presence of Enterococci. Single strength medium can be used for small inoculum. Production of acid and turbidity in an azide presumptive broth when incubated at 45°C is considered positive presumptive evidence for the presence of Enterococci which is confirmed by inoculating in / on Confirmatory Broth / Agar.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to Yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		8.4 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 hrs. at 45°C.						
MICROORGANISM (ATCC)		GROWTH		ACID		
Enterococcus faecalis (29212)		Luxuriant		+		
Escherichia coli (25922)		Inhibited		-		
Key : + = acid production, yellow colour - = no acid production, no colour change.						
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		B1028: For detection of Enterococci in water and other materials of sanitary importance.				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1028		15.4g/l	32.46L	8.4 ± 0.2	Nil	121°C / 15 minutes