

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B187</b>	<b>ENTEROCOCCUS CONFIRMATORY BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymic hydrolysate		5.00			
Yeast extract		5.00			
Dextrose		5.00			
Sodium azide		0.4			
Methylene blue		0.01			
Sodium chloride		65.00			
Final pH (at 25°C) :		8.0 ± 0.2			
<b>Directions :</b>					
Suspend 80.41 grams in 1000 ml distilled water. Heat if necessary 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 to room temperature and add 65 units of Penicillin to each 100 ml of broth prior to use.					
<b>Principle :</b>					
Casein enzymic hydrolysate, yeast extract, dextrose provides essential growth nutrients for Enterococci. Sodium azide inhibits gram – negative organisms. 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.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :	Cream to yellow may have slight green tinge				
Appearance :	Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :	8.0 ± 0.2				
Colour (post autoclaving/heating) :	Yellow				
Clarity (post autoclaving/heating) :	Slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 24 hrs. at 45°C.					
MICROORGANISM (ATCC )	GROWTH				
Enterococcus faecalis (29212)	Good-Luxuriant				
Escherichia coli (25922)	Inhibited				
Key : + = acid production, yellow colour - = no acid production, no colour change.					
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. 2. The high degree of selectivity of SPS Agar may inhibit some strains of C. perfringens while other strains that grow may fail to produce distinguishing black colonies.				
<b>Use :</b>	B186: For confirming the presence of Enterococci in water supplies and other sources.				
<b>Storage :</b>	Dehydrated medium and prepared medium- Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B187</b>	80.41g/l	6.218L	8.0 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

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