

<b>B186</b>	<b>ENTEROCOCCUS CONFIRMATORY AGAR</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		0.40			
Methylene blue		0.01			
Agar		15.00			
Final pH (at 25°C) :		8.0 ± 0.2			
<b>Directions :</b>					
Suspend 30.4 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. Allow the agar tubes to cool in a slanted position					
<b>Principle :</b>					
Casein enzymic hydrolysate, yeast extract, dextrose provide 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			
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		ACID	
Enterococcus faecalis (29212)		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.				
<b>Use :</b>	<b>B186 / B187:</b> For confirming the presence of Enterococci in water supplies and other sources. <b>B1028:</b> For detection of Enterococci in water and other materials of sanitary importance.				
<b>Storage :</b>	Dehydrated medium- below 30°C 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>B186</b>	30.4g/l	16.44L	8.0 ± 0.2	Nil	121°C / 15 minutes