

TECHNICAL SHEET

B865	M-SLANETZ ENTEROCOCCUS BROTH				
Formula					
Ingredients :					
		gms/lit.			
Casein enzymic hydrolysate		25.00			
Peptic digest of animal tissue		15.00			
Yeast extract		10.00			
Dextrose		2.00			
Sucrose		100.00			
Dipotassium phosphate		4.00			
Sodium azide		0.40			
Final pH (at 25°C) : 7.1 ± 0.2					
Directions :					
Suspend 156 gms. in 1000ml distilled water. Heat to dissolve the medium completely. Dispense and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool and aseptically add 1 vial of 2,3,5-Triphenyl Tetrazolium Chloride. Mix well before dispensing.					
Principle :					
Casein enzymic hydrolysate, peptic digest of animal tissue and yeast extract provide necessary nutrients like nitrogenous compounds and vitamin B complex. Dextrose and sucrose are the fermentable carbohydrate sources in the medium. Dipotassium phosphate helps in buffering the medium. Sodium azide inhibits the growth of most of the accompanying gram - negative microbial flora. Triphenyl Tetrazolium Chloride is reduced by Enterococci to formazan, a red coloured complex inside the bacterial cell resulting in red coloured colonies.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.1 ± 0.2			
	Colour (post autoclaving/heating) :	Yellow			
	Clarity (post autoclaving/heating) :	Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 40-48 hrs. at 35-37°C on membrane filter.					
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF THE COLONY		
	Enterococcus faecalis (29212)	Luxuriant	Red		
	Escherichia coli (25922)	Inhibited	-		
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 :					
For isolation and detection of Enterococci using membrane filter technique.					
Storage :					
Dehydrated medium- below 30°C Prepared medium- Freshly prepared.					
Packing :					
500 gm bottle					
Product profile:					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B865	156g/l	3.205L	7.1 ± 0.2	2,3,5-Triphenyl Tetrazolium Chloride	121°C / 15 minutes

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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