

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B663	PSTA ENRICHMENT BROTH BASE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue	1.00					
Sucrose	1.00					
Trishydroxymethylaminomethane	3.00					
Brilliant green	0.0125					
Sodium azide	0.192					
Final pH (at 25°C) :	8.3 ± 0.2					
Directions :						
Suspend 5.2 gms. in 1000ml. distilled water. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add Ampicillin to a final concentration of 0.005 g/lit. Mix well before dispensing.						
Principle :						
Peptic digest of animal tissue provides nitrogenous compounds. Sucrose acts as the energy source. Trishydroxymethylaminomethane is the biological buffer. This medium has higher selectivity due to presence of the sodium azide and brilliant green.						
QC Tests – (I) Dehydrated Medium						
Colour :	Light yellow to Greenish yellow					
Appearance :	Homogeneous Free Flowing powder					
(II) Rehydrated medium						
pH (post autoclaving/heating) :	8.3 ± 0.2					
Colour (post autoclaving/heating) :	Green coloured					
Clarity (post autoclaving/heating) :	Clear to slightly opalescent					
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48 hrs. at 28°C.						
MICROORGANISM (ATCC)	GROWTH					
Yersinia enterocolitica (27729)	Good – luxuriant					
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 secondary enrichment of Yersinia enterocolitica from foods.				
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
B663	5.2g/l	96.153L	8.3 ± 0.2	Ampicillin	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 BIOMARK LABORATORIES publications.

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