

TECHNICAL SHEET

B662	PSB ENRICHMENT BROTH BASE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		20.00				
Sodium chloride		10.00				
Disodium phosphate, anhydrous		18.00				
Monosodium phosphate, monohydrate		3.00				
Final pH (at 25°C) :		7.5 ± 0.2				
Directions :						
Suspend 51 gms. in 1000ml. distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to room temperature and aseptically add filter sterilized Cycloheximide solution to a final concentration of 100 mg/lit.						
Principle :						
Peptic digest of animal tissue provides essential growth nutrients. Sodium chloride maintains osmotic equilibrium while phosphates buffer the medium well. The food homogenate is added to primary enrichment broth and is held at refrigeration temperature of 4°C for 1-4 weeks and at one or more intervals, aliquots of the homogenate are inoculated directly onto selective agar and / or into selective broth, which following incubation is streaked onto selective agar.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear to very slightly hazy solution				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 3 – 5 days at 25 - 30°C or 4 – 7 days at refrigeration.						
MICROORGANISM (ATCC)		GROWTH				
Yersinia enterocolitica (27729)		Good – luxuriant				
Yersinia pseudotuberculosis		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 primary enrichment and enumeration 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
B662	51g/l	9.803L	7.5 ± 0.2	filter sterilized Cycloheximide solution	121°C / 15 minutes	

Disclaimer:

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