

TECHNICAL SHEET

B658	PRE – ENRICHMENT BROTH					
Formula						
Ingredients :		gms/lit.				
Peptone, special		10.00				
Yeast extract		20.00				
Disodium phosphate		7.10				
Sodium chloride		1.00				
Potassium chloride		1.00				
Final pH (at 25°C) : 8.3 ± 0.2						
Directions :						
Suspend 39.1 gms.in 980ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C and aseptically add filter sterilized magnesium sulphate (0.1%) and calcium chloride (0.1%) solution. Mix well and dispense into sterile tubes.						
Principle :						
Yeast extract and special peptone supply essential nutrients like vitamin B complex, nitrogen compounds and trace ingredients. Sodium chloride and potassium phosphate protects the medium against any osmotic and pH imbalance respectively. Magnesium sulphate, calcium chloride and potassium chloride provide the ions necessary for the growth of the organisms.						
QC Tests – (I)Dehydrated Medium						
Colour :		Yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		8.3 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs at 30 - 32°C.						
MICROORGANISM (ATCC)		GROWTH				
Yersinia enterocolitica (27729)		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 isolation and 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
B658		39.1g/l	12.787L	8.3 ± 0.2	magnesium sulphate (0.1%) and calcium chloride (0.1%) solution	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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