

TECHNICAL SHEET

B1225	MAXIMUM RECOVERY DILUENT					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		1.00				
Sodium chloride		8.50				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 9.5 grams in 1000 ml purified/distilled water. Heat if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and dispense into tubes or flasks as desired.						
Principle :						
The low concentration of peptic digest of animal tissue helps to maintain the organisms for 1-2 hours of dilution without multiplication. The isotonic property of the diluent ensures the recovery of organisms from various sources, which may be vulnerable in distilled water or aqueous suspensions.						
QC Tests – (I)Dehydrated Medium						
Colour :		White to pale yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear solution without any precipitate				
(III) Q.C. Test Microbiological						
Cultural characteristics observed on Soyabean Casein Digest Agar (B039), after an incubation at 35-37°C for 18-24 hours of cultures suspended in Maximum Recovery Diluent for 30 minutes.						
MICROORGANISM (ATCC)		RECOVERY (AFTER 30 MINUTES)				
Escherichia Coli (25922)		no change in numbers				
Staphylococcus aureus (25923)		no change in numbers				
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 :		It is a protective and isotonic medium used for maximal recovery of microorganisms from a variety of sources.				
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
B1225		9.5 g/l	52.631 L	7.0 ± 0.2	NIL	121°C / 15 minutes