

TECHNICAL SHEET

B1259	SEMISOLID RV MEDIUM BASE					
Formula						
Ingredients :		gms/lit.				
Tryptose		4.60				
Casein enzyme hydrolysate		4.60				
Sodium chloride		7.34				
Magnesium chloride, anhydrous		10.93				
Malachite green oxalate		0.037				
Agar		2.70				
Final pH (at 25°C) : 5.4 ± 0.2						
Directions :						
Suspend 15.10 gms.in 500ml. distilled water. Heat with stirring to boil to dissolve the medium completely. Dispense in tubes. DO NOT AUTOCLAVE OR DO NOT OVERHEAT. Cool to 45 C. and aseptically add rehydrated contents of 1 vial of IMRV/RV selective supplement(BF137)						
Principle :						
Tryptose and casein enzyme hydrolysate provide nitrogeous and carbonaceous substance and essential growth nutrients. Sodium chloride maintains osmotic equilibrium.						
QC Tests – (I)Dehydrated Medium						
Colour :		Light yellow to light blue				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		5.4 ± 0.2				
Colour (post autoclaving/heating) :		Blue color				
Clarity (post autoclaving/heating) :		Clear to slightly opalascnt gel				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs at different temperatures with added IMRV/RV selective supplement(BF137)						
MICROORGANISM (ATCC)		GROWTH		MOTILITY		
Salmonella typhimuriam (14028)		Good-Luxuriant		+ Colorless to light pink zone		
Salmonella enteritidis (13076)		Good-Luxuriant		+ Colorless to light pink zone		
Pseudomonsa aeruginosaa (9027)		Inhibited		-		
Citrobacter freundii(8090)		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 of Salmonella species from foodstuffs and other materials based on selective motility.				
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
B1259	30.20g/l	16.55L	5.4 ± 0.2	IMRV/RV Supplement (BF137)	DO NOT AUTOCLAVE	

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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