

TECHNICAL SHEET

B239	SEMI-SOLID RAPPAPORT VASSILIADIS MEDIUM , MODIFIED				
Formula					
Ingredients :		gms/lit.			
Casein enzyme hydrolysate		4.59			
Tryptose		4.59			
Sodium chloride		7.34			
Potassium dihydrogen phosphate		1.47			
Magnesium chloride, anhydrous		10.93			
Malachite green oxalate		0.037			
Agar		2.70			
Final pH (at 25°C) : 5.2 ± 0.2					
Directions :					
Suspend 31.66 grams in 1000 ml distilled water. Heat to boiling with frequent agitation to dissolve the medium completely. DO NOT AUTOCLAVE. Cool to 45-50°C and aseptically add the rehydrated contents of 1 vial of Novobiocin Selective Supplement (BF163) or 4 vials of Novobiocin supplement (BF083). Mix well and pour into sterile Petri plates. Air dry the plated medium at room temperature for at least one hour.					
Principle :					
Peptic digest of soyabean meal provides essential growth nutrients. Potassium phosphate buffers the medium to maintain the constant pH. Sodium chloride maintains the osmotic balance. Malachite green is a dye which inhibits many gram – positive bacteria.					
QC Tests – (I) Dehydrated Medium					
Colour :		Light yellow to light blue			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		5.2 ± 0.2			
Colour (post autoclaving/heating) :		Greenish blue			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 42-43°C for 18-24 hours with added Novobiocin Selective Supplement (BF163) or Novobiocin supplement (BF083).					
MICROORGANISM (ATCC)		RECOVERY			
Salmonella enteritidis (13076)		Excellent			
Salmonella typhi (6539)		Excellent			
Salmonella typhimurium (14028)		Excellent			
Escherichia coli (25922)		None - poor			
Precautions :	<ol style="list-style-type: none"> 1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. IRRITANT. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Nerves, Kidneys. 				
Limitations :	<ol style="list-style-type: none"> 1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. 2. The combination of malachite green, magnesium chloride and a low pH may inhibit certain Salmonella, such as S. typhi and S. choleraesuis. Isolation techniques should include a variety of enrichment broths and isolation media. 				
Use :	Semi-solid Rappaport Vassilidis Medium, modified is used for detection of motile Salmonella spp. from food, faeces and environmental specimens.				
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
B239	31.66g/l	15.792L	5.2 ± 0.2	Novobiocin supplement (BF083) Novobiocin selective supplement (BF163).	DO NOT AUTOCLAVE

Refer disclaimer Overleaf

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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