

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B1252	RAPPAPORT VASSILIADIS SOYABEAN MEAL BROTH (RVSM)				
Formula					
Ingredients :		gms/lit.			
Papaic digest of soyabean meal	4.50				
Sodium chloride	7.20				
Potassium dihydrogen phosphate	1.26				
Dipotassium hydrogen phosphate	0.18				
Magnesium chloride	13.58				
Malachite green	0.036				
Final pH (at 25°C) : 5.2 ± 0.2					
Directions :					
Suspend 26.75 grams in 1000 ml distilled water. Heat gently if necessary, to dissolve the medium completely. Dispense as desired into tubes and sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes.					
Principle :					
The medium contains papaic digest of soyabean meal which provides essential growth nutrients. Magnesium chloride raises the osmotic pressure in the medium. Malachite green is inhibitory to organisms other than Salmonellae. The low pH of the medium, combined with the presence of malachite green and magnesium chloride, helps to select for the highly resistant Salmonella species. Phosphates buffer the medium to maintain the constant pH. Sodium chloride maintains the osmotic balance.					
QC Tests - (I) Dehydrated Medium					
Colour :	Pale greenish yellow				
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 for 18-24 hours for following temperature.					
MICROORGANISM (ATCC)	GROWTH AT 42±1°C	RECOVERY	GROWTH AT 35-37°C		
Salmonella Paratyphi B (8759)	Good	40-50%	Good		
Salmonella typhi (6539)	fair-good	30-40%	Fair		
Salmonella typhimurium (14028)	Good-luxuriant	>=50%	Good-luxuriant		
Escherichia coli (25922)	Fair	10-20%	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 :	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 recommended as selective enrichment medium for the isolation of Salmonella species.				
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
B1252	26.75 g/l	18.69 L	5.2 ± 0.2	Nil	115°C/15 min.