

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1401	RAPPAPORT VASSILIADIS SOY (RVS) BROTH					
Formula						
Ingredients:		gms/lit.				
Soy peptone		4.50				
Sodium chloride		7.20				
Monopotassium phosphate		1.26				
Dipotassium phosphate		0.18				
Magnesium chloride		13.40				
Malachite green oxalate		0.036				
Final pH (at 25°C) : 5.2 ± 0.2						
Directions :						
Suspend 26.6 grams in 1000 ml distilled water. Heat 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 :						
In this modification of Rappaport Vassiliadis Medium, soya peptone acts as the source of nutrients. Sodium chloride maintains osmotic balance dipotassium hydrogen phosphate is added as a buffer so that the pH is maintained during storage of prepared broth. Use of anhydrous Magnesium chloride optimizes its concentration in the final medium. Malachite green is the dye which inhibits many gram positive bacteria.						
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 18 - 24 hrs. at 42 - 43°C.						
MICROORGANISM (ATCC)		RECOVERY				
Salmonella enteritidis (13076)		Excellent				
Salmonella typhi (6539)		Excellent				
Salmonella typhimurium (14028)		Excellent				
Escherichia coli (25922)		Partially or completely inhibited				
Precautions :		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 :		For enrichment of Salmonellae, based on its ability to multiply selectively at high osmotic pressure, low pH and at 43°C, with modest nutritional requirements. Recommended by ISO 6579:2002.				
Storage :		Dehydrated medium- Below 30°C Prepared medium- Between 2 - 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1401	26.6 g/l	18.79 L		5.2 ± 0.2	Nil	115°C/15 min.