

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

BH1252	RAPPAPORT VASSILIADIS SALMONELLA ENRICHMENT BROTH		
Formula			
Ingredients :	gms/lit.		
Soya Peptone	4.50		
Sodium chloride	8.00		
Potassium dihydrogen phosphate	0.60		
Dipotassium phosphate	0.40		
Magnesium chloride hexahydrate	29.00		
Malachite green	0.036		
Final pH (at 25°C) : 5.2 ± 0.2			
Directions :			
Suspend 27.11 grams of dehydrated medium (the equivalent weight of dehydrated medium per litre) in 1000 ml purified/ distilled water. Heat if necessary, to dissolve the medium completely. Dispense as desired into tubes and sterilize by autoclaving at 115°C for 15 minutes as per validated cycle.			
Principle :			
Magnesium chloride present in the medium raises the osmotic pressure. Natural sugars of soya peptone provide essential growth nutrients and enhance the growth of Salmonella. Phosphate buffers the medium to maintain constant pH. Sodium chloride maintains the osmotic balance. Malachite green inhibits many gram-positive bacteria, while selectively enriches Salmonella.			
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 at 30-35°C for specified time. Recovery is carried out using Xylose Lysine Deoxycholate Agar(B361)		
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY
	Salmonella typhimurium (14028)	Luxuriant	red with black centers
	Salmonella Abony (NCTC 6017)	Luxuriant	red with black centers
	Salmonella Enteritidis (13076)	Luxuriant	red with black centre
	Salmonella Paratyphi B (8759)	Luxuriant	red with black centre
	Escherichia coli (25922)	None – poor	yellow
	Escherichia coli (8739)	None – poor	yellow
	Staphylococcus aureus (25923)	Inhibited	
	Staphylococcus aureus (6538)	Inhibited	
	Pseudomonas aeruginosa (27853,9027)	Inhibited	
	Enterococcus faecalis (29212)	Inhibited	
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. Overheating may destroy the selectivity of medium. 		
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Use :	For selective enrichment of Salmonellae spp., from pharmaceutical products in accordance to microbial limit testing by harmonized system of USP/BP/EP/JP.
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
BH1252	27.11 g/l	18.44 L	5.2 ± 0.2	Nil	115°C/15 min.

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. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.