

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.					
MICROORGANISM (ATCC)	GROWTH	INCUBATION PERIOD			
Salmonella typhimurium (14028)	Luxuriant	<=18 hrs			
Salmonella Abony (NCTC 6017)	Luxuriant	<=18 hrs			
Salmonella Enteritidis (13076)	Luxuriant	18 -24 hrs			
Salmonella Paratyphi B (8759)	Luxuriant	18 -24 hrs			
Escherichia coli (25922)	None - poor	18 -24 hrs			
Escherichia coli (8739)	None - poor	18 -24 hrs			
Staphylococcus aureus (25923)	Inhibited	>=24 hrs			
Staphylococcus aureus (6538)	Inhibited	>=24 hrs			
Pseudomonas aeruginosa (27853)	Inhibited	>=24 hrs			
Enterococcus faecalis (29212)	Inhibited	>=24 hrs			
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. 2. Overheating may destroy the selectivity of medium.				
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.

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