

TECHNICAL SHEET

B1350	RAPPAPORT VASSILIADIS R10 MEDIUM					
Formula						
Ingredients :		gms/lit.				
Casein enzyme hydrolysate		4.54				
Sodium chloride		7.20				
Potassium dihydrogen phosphate		1.45				
Magnesium chloride, anhydrous		13.40				
Malachite green oxalate		0.036				
Final pH (at 25°C) : 5.1 ± 0.2						
Directions :						
Suspend 26.62 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein enzyme hydrolysate 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) :		5.1 ± 0.2				
Colour (post autoclaving/heating) :		Greenish blue				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent solution may have precipitate.				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 42 - 43°C for 18-24 hours. After incubation, subculture on selective agar media like MacConkey Agar (B238) or XLD Agar (B361) and incubate at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC)		GROWTH AT 42±1°C		COLOUR OF COLONY		
Salmonella enteritidis (13076)		Good-luxuriant		Colourless		
Salmonella typhi (6539)		Good-luxuriant		Colourless		
Salmonella typhimurium (14028)		Good-luxuriant		Colourless		
Escherichia coli (25922)		None - poor		Pink-red		
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 :		Recommended for selectively enriching Salmonella species from meat and dairy products, faeces and sewage polluted water.				
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
B1350	26.62 g/l	18.78 L	5.1± 0.2	Nil	121°C/15 min.	

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.

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.