

TECHNICAL SHEET

B386	RAPPAPORT VASSILIADIS MEDIUM					
Formula						
Ingredients :		gms/lit.				
Papaic digest of soyabean meal		4.50				
Sodium chloride		7.20				
Monopotassium phosphate		1.44				
Magnesium chloride		36.00				
Malachite green		0.036				
Final pH (at 25°C) : 5.2 ± 0.2						
Directions :						
Suspend 49.17 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired into tubes & sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes.						
Principle :						
Peptic digest of soyabean meal 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 :		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 with slight precipitation				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24 hrs. at 42 – 43°C. After incubation, subculture on selective media like Mac Conkey 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 ON B238		
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 :		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. 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 :		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.				
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
B386	49.17 g/l	10.168 L	5.2 ± 0.2	Nil	115°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.

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