

TECHNICAL SHEET

B628I	MODIFIED RAPPAPORT VASSILIADIS MEDIUM				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		5.00			
Sodium chloride		8.00			
Monopotassium phosphate		1.60			
Magnesium chloride 6H ₂ O		40.00			
Malachite green		0.04			
Final pH (at 25°C) : 5.2 ± 0.2					
Directions :					
Suspend 30.07grams in 1000 ml distilled water. Heat gently 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 :					
Casein enzymic hydrolysate meal provides essential growth nutrients. It is used to enhance the growth of Salmonella. 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) :	5.2 ± 0.2			
	Colour (post autoclaving/heating) :	Blue			
	Clarity (post autoclaving/heating) :	Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24 - 48 hours at 35- 37°C/ AT 42 ± 1°C					
	MICROORGANISM (ATCC)	AT 37°C	AT 42 ± 1°C		
	Salmonella typhimurium (14028)	Luxuriant	Luxuriant		
	Salmonella paratyphi B	Good	Good		
	Salmonella typhi (6539)	Fair – good	Fair		
	Escherichia coli (25922)	Fair	Poor		
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 isolation of Salmonella species from food and environmental specimens.					
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
B628I	30.07 g/l	16.627 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.

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