

TECHNICAL SHEET

BW628	MODIFIED RAPPAPORT VASSILIADIS MEDIUM					
Formula						
Ingredients:		gms/lit.				
Peptone from soyabeans		1.00				
Peptic digest of animal tissue		4.00				
Sodium chloride		8.00				
Dipotassium hydrogen phosphate trihydrate		0.40				
Potassium dihydrogen phosphate		0.60				
Magnesium chloride, 6H ₂ O		31.70				
Malachite green		0.04				
Final pH (at 25°C) : 5.2 ± 0.2						
Directions :						
Suspend 25.93 grams of dehydrated medium in 1000 ml distilled water. Heat gently if necessary to dissolve the medium completely. Dispense as desired into tubes and sterilize by autoclaving at 115°C for 15 minutes.						
Principle :						
Enzymatic digest of animal tissue and peptone from soyabeans which provides necessary nutrient factors. Sodium chloride maintains osmotic balance of cells. Potassium salts buffer the medium well. Divalent magnesium ions regulates cell metabolism whereas malachite green, the dye acts as a selective agent inhibiting 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 an incubation at different temperatures for 24-48 hours, when subcultured on Brilliant Green Agar (B123) and then incubated at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC)		AT 37°C	AT 42 ± 1°C	COLOUR OF COLONY		
Salmonella typhimurium (14028)		Luxuriant	Luxuriant	Pink white		
Salmonella paratyphi B		Good	Good	Pink white		
Salmonella typhi (6539)		Fair – good	Fair	Pink red		
Salmonella Enteritidis (13076)		luxuriant	luxuriant	Pink white		
Escherichia coli (25922)		Fair	Poor	Yellowish green		
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 :		It is recommended for selective enrichment of Salmonella species from 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
BW628	25.93 g/l		19.282L	5.2 ± 0.2	NIL	115°C / 15 minutes

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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