### **BIOMARK Laboratories-INDIA**

# www.biomarklabs.com

## **TECHNICAL SHEET**

B1401	Rappaport Vassiliadis	s Soyabean Meal B	Broth			
Formula						
<b>Ingredients:</b>	gms/lit.					
	pecification - RVS Broth			B1401-Rappaport Vassiliadis Soyabean Meal Broth		
Ingredients		g/L		Ingredients	g / L	
Enzymatic digest of soya 4.500		4.500		Soy peptone #	4.50	
Sodium chloride 7.2			Sodium chloride 7.20			
Potassium dihydrogen phosphate 1.440		1.440		Monopotassium phosphate 1.26		
(KH2PO4 + K2HPO4)				Dipotassium phosphate	0.18	
Magnesium chloride, hexahydrate		28.600		Magnesium chloride	13.40	
Malachite green, oxalate 0.036				Malachite green oxalate 0.036		
Final pH (after sterilization)		5.2±0.2		Final pH (after sterilization) # - Equivalent to enzymatic dig	5.2±0.2 gest of soya	
Final pH (at 25	(°C): 5.2 + 0.2					
Directions:	<del>-</del>					
Suspend 26.57	grams in 1000 ml distilled	water. Heat if nece	essary to d	dissolve the medium completely.	Dispense as desired into tube	
or flasks and st	erilize by autoclaving at 10	lbs pressure (115°	°C) for 15	minutes.	-	
Principle :						
The medium co	ontains soya peptone which	n provides essential	growth n	utrients. Magnesium chloride ra	ises the osmotic pressure in th	
medium. Malad	chite green is inhibitory to	organisms other tha	an Salmoi	nellae. The low pH of the mediu	m, combined with the present	
of malachite gr	een and magnesium chloric	de, helps to select f	or the hig	hly resistant Salmonella species.	Phosphates buffer the mediu	
to maintain the	constant pH. Sodium chlor	ride maintains the o	osmotic ba	alance.		
QC Tests – (I)D	ehydrated Medium					
	Colour:		Light	yellow to light blue		
	Appearance:					
	Appearance.		Homo	geneous Free Flowing powder		
(II)Rehydrated			Homo	geneous Free Flowing powder		
(II)Rehydrated		g) :	5.2 ± 0			
(II)Rehydrated	medium					
(II)Rehydrated	medium pH (post autoclaving/heating	heating):	5.2 ± 0			
	medium pH (post autoclaving/heating/ Colour (post autoclaving/	heating):	5.2 ± 0 Blue			
	medium  pH (post autoclaving/heating/ Colour (post autoclaving/ Clarity (post autoclaving/	heating) : heating) :	5.2 ± 0 Blue Clear	0.2		
	medium  pH (post autoclaving/heating Colour (post autoclaving/ Clarity (post autoclaving/ Microbiological	heating): heating): oserved after 18 –	5.2 ± 0 Blue Clear 24 hrs. at	0.2	i1)	
	medium  pH (post autoclaving/heating/ Colour (post autoclaving/ Clarity (post autoclaving/ Microbiological Cultural characteristics of	heating): heating):  bserved after 18 – CC)	5.2 ± 0 Blue Clear 24 hrs. at	0.2 t following temperatures	51)	
	medium  pH (post autoclaving/heating/ Colour (post autoclaving/ Clarity (post autoclaving/ Microbiological  Cultural characteristics of MICROORGANISM (ATO	heating): heating): bserved after 18 – CC) CCC 13076	5.2 ± 0 Blue Clear  24 hrs. at Coloured co	0.2  t following temperatures  or of colony on XLD Agar (B36)	11)	
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### **TECHNICAL SHEET**

Product	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
profile:					
B1401	26.57 g/l	18.825 L	5.2 <u>+</u> 0.2	Nil	10 lbs ,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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