

B372	VP MEDIUM				
Formula					
Ingredients:		gms/lit.			
Peptic digest of animal tissue		10.00			
Yeast extract		5.00			
Sodium taurocholate		5.00			
Sodium thiosulphate		10.00			
Sodium chloride		20.00			
Sodium lauryl sulphate		0.20			
Sodium citrate		10.00			
Sucrose		20.00			
Bromo thymol blue		0.04			
Thymol blue		0.04			
Agar		20.00			
Final pH (at 25°C): 8.6 ± 0.2					
Directions:					
Suspend 100.28 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE. Mix well and pour into sterile Petri plates.					
Principle:					
The medium contains peptic digest of animal tissue and yeast extract, which provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Sucrose is added as a fermentable sugar. Sodium citrate, sodium lauryl sulphate, sodium taurocholate and sodium thiosulphate as well as high alkalinity of the medium inhibit most of the contaminating organisms. Bromothymol blue and thymol blue are the pH indicators. The alkaline pH of the medium and higher concentration of sodium chloride improves the recovery of <i>Vibrio parahaemolyticus</i> . Sucrose fermenting organisms like <i>V. cholerae</i> and <i>V. alginolyticus</i> produces yellow coloured colonies.					
QC Tests - (I) Dehydrated Medium					
Colour:		Cream to greenish yellow			
Appearance:		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		8.6 ± 0.2			
Colour (post autoclaving/heating):		Bluish			
Clarity (post autoclaving/heating):		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hours at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		COLOUR OF COLONY	
<i>Enterococcus faecalis</i> (29212)		Poor		Yellow	
<i>Escherichia coli</i> (25922)		Inhibited		--	
<i>Shigella flexneri</i> (12022)		Inhibited		--	
<i>Vibrio cholerae</i> (15748)		good-luxuriant		Yellow	
<i>Vibrio parahaemolyticus</i> (17802)		good-luxuriant		bluish-green	
<i>Vibrio vulnificus</i> (27562)		good-luxuriant		greenish yellow	
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
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 used for the isolation of <i>Vibrio parahaemolyticus</i> .				
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
B372	100.28g/l	4.99L	8.6 ± 0.2	Nil	121°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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