

TECHNICAL SHEET

B1290	VIBRIO PARAHAEMOLYTICUS SUCROSE AGAR				
Formula					
Ingredients :		gms/lit.			
Tryptose		5.00			
Casein enzymic hydrolysate		5.00			
Yeast extract		7.00			
Sucrose		10.00			
Sodium chloride		30.00			
Bile salts mixture		1.50			
Bromo thymol blue		0.025			
Agar		15.00			
Final pH (at 25°C) : 8.6 ± 0.2					
Directions :					
Suspend 73.52 gms in 1000ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Dispense in sterile petri plates.					
Principle :					
Tryptose, casein enzymic hydrolysate and yeast extract provide the necessary nitrogen compounds, growth factors and vitamin B complex for the growth of <i>Vibrio parahaemolyticus</i> . Sucrose is the fermentable carbohydrate. Bromo thymol blue is a pH indicator. Bile salts mixture inhibits the contaminating gram – positive bacteria. High salt content and alkaline pH of the medium meet the requirement of marine <i>Vibrio</i> and facilitates easy recovery of the organism respectively. <i>Vibrio parahaemolyticus</i> ferment the source and forms green to blue colonies.					
QC Tests - (I) Dehydrated Medium					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		8.6 ± 0.2			
Colour (post autoclaving/heating) :		Blue			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs at 40-42°C.					
MICROORGANISM (ATCC)		GROWTH		COLOUR OF COLONY	
<i>Vibrio parahaemolyticus</i> (17802)		Luxuriant		Blue – green	
<i>Staphylococcus aureus</i> (25923)		Inhibited		-	
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 :		For isolation and enumeration of <i>Vibrio parahaemolyticus</i> from seafoods.			
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	
B1290	73.52 g/l	6.800 L	8.6 ± 0.2	NIL	121°C

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 BIOMARK LABORATORIES publications.

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