BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B042 TCBS AGAR				
Formula				
Ingredients:	gms/lit.			
Proteose peptone	10.00			
Yeast extract	5.00			
Sodium thiosulphate	10.00			
Sodium citrate	10.00			
Bile	8.00			
Sucrose	20.00			
Sodium chloride	10.00			
Ferric citrate	1.00			
Bromo thymol blue	0.040			
Thymol blue	0.040			
Agar	15.00			
	8.6 <u>+</u> 0.2			
Directions:	O mal diati	llad water IIa	ask to boiling to discolve the modium	
Suspend 89.08 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE. Cool to 45-50°C. Mix well and pour into sterile Petri plates.				
Principle:	7L. COOI to -	+3-30 C. MIX W	en and pour into sterne Fetti piates.	
	tract provide	o nitrogonous s	compounds witamin B compley and other	
Proteose peptone and yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Bile, a derivative of bile salts and sodium citrate inhibit gram-positive				
bacteria and coliforms. Sodium thiosulphate serves as a good source of sulphur, which in				
			ydrogen sulphide. For the metabolism of	
			Vibrio that is able to utilize sucrose will	
from yellow colonies. Bromothy				
QC Tests – (I)Dehydrated Medic		The city mor blue	are the pri maleators.	
Colour :	и	Light yellow to	n light tan	
Appearance :			s Free Flowing powder	
(II)Rehydrated medium		Tiomogeneous	portion in portion	
pH (post autoclaving/heating) :		8.6 ± 0.2		
Colour (post autoclaving/heating)		Bluish green		
Clarity (post autoclaving/heating):		Clear to slight	ly onalescent	
(III)Q.C. Test Microbiologica		Cicar to slight	ny oparescent	
Cultural characteristics obse		8 – 24 hrs. at	35-37°C.	
MICROORGANISM (ATCC)		GROWTH	COLOUR OF COLONIES	
Vibrio cholerae (15748)		Good – luxuriant	Yellow	
Vibrio fluvialis (33809)				
Vibrio parahaemolyticus (17		Good – luxuriant	Bluish green	
		air to good	Greenish yellow	
		nhibited		
		nhibited		
		nhibited		
\ /		nhibited		
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.				
Refer disclaimer Overleaf				

Page 01 of 02

Rev: January 2025

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

	io spp.					
 Further tests are necessary for identification and confirmation of Vibago. On initial isolation, V. parahaemolyticus may be confused with Ae 						
	romonas					
[hydrophila, Plesiomonas shigelloides and Pseudomonas species.	3. On initial isolation, V. parahaemolyticus may be confused with Aeromonas hydrophila, Plesiomonas shigelloides and Pseudomonas species.					
4. Sucrose – fermenting Proteus species produce yellow colonies wheresemble those of Vibrio.	4. Sucrose – fermenting Proteus species produce yellow colonies which may					
5. TCBS is an unsatisfactory medium for oxidase testing of Vibrio spp.	5. TCBS is an unsatisfactory medium for oxidase testing of Vibrio spp.					
6. A few strains of V. cholerae may appear green or colourless on TCE delayed sucrose fermentation.	6. A few strains of V. cholerae may appear green or colourless on TCBS due to delayed sucrose fermentation.					
Use: For selective isolation and cultivation of Vibrio cholerae an enteropathogenic Vibrio's causing food-poisoning	d other					
Storage: Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.					
Packing: 500 gm. bottle	500 gm. bottle					
Product profile:ReconstitutionQuantity on Preparation (500g)pH (25°C)SupplementSteril	zation					
B042 89.08 g/l 5.612 L 8.6 ± 0.2 NIL 121°C / 3	.5 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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

Page 02 of 02

Rev: January 2025