

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B1462	TSC AGAR BASE					
Formula						
Ingredients:				gms/lit.		
Tryptose				15.00		
Soya peptone				5.00		
Yeast extract				5.00		
Sodium metabisulphite				1.00		
FerricAmmonium citrate				1.00		
Agar				15.00		
Final pH (at 25°C): 7.6± 0.1						
Directions:						
Suspend 21 grams in 500 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and add rehydrated contents of one vial of TSC Supplement (BF091).						
Principle:						
Tryptose, soya peptone, yeast extract, provide nitrogenous and carbonaceous compounds, long chain amino acids, vitamin B complex and trace elements essential for clostridial growth. Sodium metabisulphite and ferric ammonium citrate act as an indicator of sulphite reduction, indicated by black-coloured colonies. D-cycloserine (BF091) help in the selective isolation of C. perfringens by inhibiting accompanying flora.						
QC Tests – (I)Dehydrated Medium						
Colour:		Light Yellow to brownish yellow				
Appearance:		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating):		7.6 ± 0.2				
Colour (post autoclaving/heating):		Amber				
Clarity (post autoclaving/heating):		Slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed under anaerobic condition with added TSC Supplement (BF091) after an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC)		GROWTH		COLOUR OF COLONY		
Clostridium perfringens (12924)		Luxuriant		Black		
Clostridium sordellii (9714)		Inhibited		-		
Escherichia coli (25922)		Inhibited		-		
Staphylococcus aureus (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 selective isolation and enumeration of Clostridium perfringens in foodstuffs as per the specifications laid down in ISO 7937:1985.				
Storage:		Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.				
Packing:		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1462	42g/l	11.90 L	7.6 ± 0.1	T.S.C. Supplement (BF091)	121°C /15 min.	

Refer disclaimer Overleaf

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

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.