

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B061	TRYPTOSE CYCLOSERINE DEXTROSE AGAR BASE					
Formula						
Ingredients :		gms/lit.				
Tryptose		15.00				
Papaic digest of soyabean meal		5.00				
Yeast extract		5.00				
Ferric ammonium citrate		1.00				
Agar		20.00				
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 23.0 grams in 500 ml. distilled water. If desired, add 0.5 to 1.0% dextrose. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 10 minutes. Cool to 50°C and aseptically add one vial of T.S.C. Supplement (BF091). Mix well and pour into sterile Petri plates.						
Principle :						
Tryptose, papaic digest of soyabean meal, yeast extract provides nitrogenous compounds, carbon, vitamin B complex and trace elements essential for Clostridium growth. Incorporation of D-cycloserine in this medium effectively inhibits growth of most Enterococci.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow to light brown				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.6 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		clear to slightly opalescent gel				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours with added T.S.C. Supplement (BF091).						
MICROORGANISM (ATCC)		GROWTH				
Clostridium perfringens (12924)		Luxuriant				
Clostridium sporogenes (11437)		Luxuriant				
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 recommended for the isolation of mesophilic spore forming anaerobes in food spoilage.				
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
B061		46.0 g/l	10.869 L	7.6 ± 0.2	T.S.C. Supplement (BF091).	121°C /10 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 BIOMARK LABORATORIES publications.

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