

TECHNICAL SHEET

B432i	PERFRINGENS AGAR BASE (T.S.C.)				
Formula					
Ingredients:		gms/lit.			
Tryptose		15.00			
Soya peptone		5.00			
Yeast extract		5.00			
Sodium metabisulphite		1.00			
Ferric ammonium citrate		1.00			
Agar		15.00			
Final pH (at 25°C):		7.6 ± 0.2			
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. Homogenized food samples can be directly streaked on the surface of plates or can be pre-enriched in Cooked Meat Medium (B151) before streaking.					
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):	clear to 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 24-48 hours.				
	MICROORGANISM (ATCC)	GROWTH	SULPHITE REDUCTION		
	Clostridium perfringens (12924)	luxuriant	positive, blackening of medium		
	Clostridium sordellii A (9714)	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 :		Recommended for the enumeration of Clostridium perfringens from food. The composition and performance criteria of this media are as per the specifications laid down in ISO 7937:2004.			
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
B432i		42.0 g/l	11.90 L	7.6 ± 0.2	TSC Supplement (BF091)
					Sterilization
					121°C / 15 minutes

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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