

<b>B282</b>	<b>PERFRINGENS AGAR BASE (T. S. C. /S. F. P. Agar Base)</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
Tryptose		15.00				
Papaic digest of soyabean meal		5.00				
Meat Extract B#		5.00				
Yeast extract		5.00				
Sodium metabisulphite		1.00				
Ferric ammonium citrate		1.00				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.6 ± 0.2						
<b>Directions :</b>						
Suspend 23.5 grams in 475 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°) for 15 minutes. Cool to 45-50°C. Add 25 ml of Egg Yolk Emulsion (BF003) and rehydrated contents of 1 vial of S.F.P. Supplement (BF090) / T.S.C. Supplement (BF091). Alternatively, if fluorogenic detection is desired add rehydrated contents of Clostridium perfringens supplements instead of BF090 / BF091. Mix well before pouring into sterile Petri plates.						
<b>Principle :</b>						
Tryptose, papaic digest of soyabean meal, yeast extract, Meat Extract B provide nitrogenous compounds, carbon, sulphur, vitamin B complex and trace elements essential for clostridial growth. Sodium metabisulphite and ferric ammonium citrate act as indicators of sulphite reduction, indicated by black coloured colonies. Agar is the solidifying agent.						
<b>QC Tests – (I)Dehydrated Medium</b>						
	Colour :	Light yellow to brownish yellow				
	Appearance :	Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
	pH (post autoclaving/heating) :	7.6 ± 0.2				
	Colour (post autoclaving/heating) :	a) Basal medium : Amber b) After Addition of Egg Yolk Emulsion (BF003) : Yellow				
	Clarity (post autoclaving/heating) :	a) Slightly opalescent b) Slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed under anaerobic condition with added TSC Supplement (BF091)/S.F.P Supplement (BF090) / Clostridium Perfringens Supplement and Egg Yolk Emulsion (BF003), after an incubation at 35-37°C for 18-24 hours.						
	MICROORGANISM (ATCC)	GROWTH	SULPHITE REDUCTION	LECITHINASE	FLOROSCENCE	
	Clostridium perfringens (12924)	luxuriant	+	Positive reaction, opaque zone around the colony	Positive reaction	
	Clostridium sordelli (9714 )	Inhibited	-	-	-	
<b>Precautions :</b>						
1. For Laboratory Use.						
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.						
<b>Limitations :</b>						
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.						
<b>Use :</b>						
For the presumptive identification and enumeration of Clostridium perfringens after addition of selective supplements.						
<b>Storage :</b>						
Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.						
<b>Packing :</b>						
500 gm. bottle						
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B282</b>		47g/l	10.638L	7.6 ± 0.2	Egg Yolk emulsion (BF003) and S.F.P. supplement (BF090)/ T.S.C. supplement (BF091)/ Clostridium Perfringens Supplement	121°C / 15 minutes

Refer disclaimer Overleaf

**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.

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