B374	**S.F.P. AGAR BASE**

Formula

Ingredients :	**gms/lit.**
Tryptose	15.00
Papaic digest of soyabean meal	5.00
Yeast extract	5.00
Sodium bisulphite	1.00
Ferric ammonium citrate	1.00
Agar	20.00

Final pH (at 25°C) : 7.6± 0.2

Directions :

Suspend 23.5 gms.in 475ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C.Add 25 ml. of Egg Yolk Emulsion (BF003) and reconstituted contents of 1 vial of S.F.P. Supplement (BF090).Mix well before pouring into sterile petri plates.

Principle :

SFP Agar Base contains Tryptose and Papaic digest of soyabean meal as sources of carbon, nitrogen, vitamins and minerals. Yeast extract supplies B –complex vitamins which stimulate bacterial growth. Ferric Ammonium Citrate and Sodium bisulfite are H_2S indicators. Clostridia reduce sulfite to sulfide, which reacts with iron to form a black iron sulfide precipitate. Polymyxin B and Kanamycin; are inhibitors to organisms other than Clostridium spp. Egg yolk enrichment 50% provides egg yolk lecithin which some clostridia hydrolyze. Agar is the solidifying agent.

QC Tests – (I)Dehydrated Medium	
Colour :	Beige to yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.6 ± 0.2
Colour (post autoclaving/heating) :	a) Basal medium : Amber b) After addition of Egg Yolk Emulsion : Pale yellow
Clarity (post autoclaving/heating) :	a) Slightly opalescent b) Opaque

(III)Q.C. Test Microbiological

Cultural characteristics observed after 40 – 48 hrs.at 35- 37°C, when incubated anaerobically.

MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY	LECITHINASE	
Clostridium perfringens (12924)	Luxuriant	Black	+	
Escherichia coli (25922)	Inhibited	-	-	
Key: + = halo or clearing around colony.				

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 the presumptive identification and enumeration of Clostridium perfringens in foods.
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
B374	47g/l	10.638L	7.6 ± 0.2	Egg Yolk Emulsion (BF003) and S.F.P. Supplement (BF090)	121^0C / 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 BIOMARKLABORATORIES publications.
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