B671	PERFRINGENS AGAR ABSE (O.P.S.P.)
Formula	
Ingredients:	**gms/lit.**
Casein enzymic hydrolysate	15.00
Papaic digest of soyabean meal	5.00
Yeast extract	5.00
Liver extract	7.00
Ferric ammonium citrate	1.00
Sodium metabisulphite	1.00
Tris buffer	1.50
Agar	15.00
Final pH (at 25°C) : 7.3 ± 0.2	

Directions:

Suspend 25.25 grams in 500 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Aseptically add rehydrated contents of 1 vial of Perfringens Supplement-I (BF088) and Perfringens Supplement-II (BF089) each. Mix well before pouring into sterile Petri plates.

Principle:

Casein enzymic hydrolysate, yeast extract, papaic digest of soyabean meal and liver extract supply most of the essential nitrogenous nutrients, vitamin B complex and trace ingredients for the growth of Clostridium perfringens. Sodium metabisulphite and ferric ammonium citrate are used as indicators of sulphate reduction by Clostridium perfringens which produces black colonies. Tris buffer helps in maintaining buffering action. The antibiotics Sulphadiazine, oleandomycin and Polymyxin B make the medium highly selective, inhibiting sulphite reducing bacteria other than Clostridium perfringens.

QC Tests – (I)Dehydrated Medium				
	Colour :	Brownish yellow		
	Appearance :	Homogeneous Free Flowing powder		
(II)Rehydrated medium				
	pH (post autoclaving/heating) :	7.3 ± 0.2		
	Colour (post autoclaving/heating) :	Amber		
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent		
(III)Q.C. Test Microbiological				
	Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours with addded Perfringens Supplement I(BF088) and Perfringens Supplement II(BF089)			
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY	
	Clostridium perfringens (12924)	Luxuriant	Black	
	Enterococcus faecalis (29212)	None – poor	White, if any	
	Clostridium butyricum (13732)	Inhibited	-	
	Clostridium bifermentans	Inhibited	-	
	Bacillus subtilis (6633)	Inhibited	-	
	Proteus vulgaris (13315)	Inhibited	-	
	Salmonella typhi (6539)	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.
	2. Further biochemical and serological tests must be carried out for further identification.
Use:	For selective isolation and enumeration of Clostridium perfringens from 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
B671	50.50 g/l	9.90 L	7.3 ± 0.2	1 vial of Perfringens supplement (BF088) and Perfringens supplement II (BF089)	121^0C / 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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