B1042	FORGET FREDETTE AGAR

Formula

Ingredients :	gms/lit.
Casein enzymichydrolysate	17.00
Papaic digest of soyabean meal	3.00
Sodium chloride	5.00
Dextrose	2.50
Dipotassium phosphate	2.50
Sodium azide	0.50
Agar	10.00

Final pH (at 25°C) : 7.0 ± 0.2

Directions :

Suspend 40.5 gms.in 1000 ml distilled water. If desired add 3 more grams of agar. Heat with frequent agitation to dissolve the medium completely. Sterilize by autoclaving at 10lbs pressure (110°C) for 25 minutes or 12-13 lbs (118°C) for 12 minutes.

Principle :

Papaic digest of soyabean meal and casein enzymichydrolysate provide the necessary nutrients to the anaerobic microorganisms. Dextrose is the carbohydrate source. Dipotassium phosphate buffers the medium. Sodium azide inhibits not only gram – negative cocci and bacilli but also most of the gram – positive aerobes. Forget Fredette Agar allows the growth of Clostridia, Fusiforms, Ristella, Sphaerophorus and Streptococci in the depths of the medium tubes. Bacillus species, Listeria and most gram – negative organisms are inhibited on this medium. This medium can also be used for surface cultivation of anaerobes in the plates in anaerobic jars however for this purpose, it is recommended to add about four grams of agar to the medium before sterilization.

QC Tests – (I)Dehydrated Medium	
Colour :	Yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.0 ± 0.2
Colour (post autoclaving/heating) :	Yellow
Clarity (post autoclaving/heating) :	Clear to slightly opalescent
(III)Q.C. Test Microbiological	

Cultural characteristics observed after 24 - 48 hrs.at 35-37°C.

MICROORGANISM (ATCC)	GROWTH
Clostridium perfringens (12924)*	Good – luxuriant
Streptococcus pneumoniae (6303)	Good – luxuriant
*Key = incubated anaerobically	

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 selective isolation of anaerobes from a mixture of aerobic and anaerobic flora.
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
B1042	40.5g/l	12.34L	7.0 ± 0.2	NIL	110^0C / 25 minutes