B105	**ANAEROBIC AGAR (BREWER)**
Formula	
Ingredients :	**gms/lit.**
Proteose peptone	10.00
Casein enzymichydrolysate	5.00
Yeast extract	5.00
Dextrose	10.00
Sodium chloride	5.00
Sodium thioglycollate	2.00
Sodium formaldehyde sulphoxylate	1.00
Resazurin	0.002
Agar	15.00
Final pH (at 25°C) : 7.2 ± 0.2	
Directions :	
Suspend 53 grams in 1000 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 45-50°C. Mix well and pour into sterile Petri plates.	
Principle :	
Proteose peptone, casein enzymichydrolysate, yeast extract provides nitrogen, vitamin and amino acids. Dextrose is a carbohydrate source. This medium contains sodium thioglycollate and sodium formaldehyde sulphoxylate that provide adequate anaerobiosis, which is indicated by resazurin present in the medium. Resazurin imparts pink colour to the medium in presence of oxygen. Brewer devised this medium for use with Brewer anaerobic cover to permit surface growth of anaerobes and microaerophiles on agar without the use of anaerobic jar. For best results, use porous tops on the plates containing the medium during solidification to obtain a dry surface. After inoculation of the medium, cover with Brewer anaerobic petri plate cover. The sealing ring inside the cover should make a perfect contact with the medium and must not be broken before the end of the incubation period.	
QC Tests – (I)Dehydrated Medium	
Colour :	Cream to light yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.2 ± 0.2
Colour (post autoclaving/heating) :	Light amber
Clarity (post autoclaving/heating) :	Clear to slightly opalescent
(III)Q.C. Test Microbiological	
Cultural characteristics observed after 18 - 48 hrs. at 35-37°C.	
MICROORGANISM (ATCC)	GROWTH
Clostridium botulinum (19397)	Luxuriant
Clostridium perfringens (12924)	Luxuriant
Clostridium sporogenes (11437)	Luxuriant
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 sensitivity testing and isolation of anaerobic and microaerophilic organisms.
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
B105	53.00 g/l	9.43 L	7.2 ± 0.2	Nil	121^{0}C /15 min.

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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