

**BIOMARK Laboratories-INDIA**

[www.biomarklabs.com](http://www.biomarklabs.com)

**TECHNICAL SHEET**

<b>B105</b>	<b>ANAEROBIC AGAR (BREWER)</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Proteose peptone		10.00			
Casein enzymic hydrolysate		5.00			
Yeast extract		5.00			
Dextrose		10.00			
Sodium chloride		5.00			
Sodium thioglycollate		2.00			
Sodium formaldehyde sulfoxylate		1.00			
Resazurin		0.002			
Agar		15.00			
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
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.					
<b>Principle :</b>					
Proteose peptone, casein enzymic hydrolysate, yeast extract provides nitrogen, vitamin and amino acids. Dextrose is a carbohydrate source. This medium contains sodium thioglycollate and sodium formaldehyde sulfoxylate 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.					
<b>QC Tests - (I) Dehydrated Medium</b>					
	Colour :	Cream to light yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.2 ± 0.2			
	Colour (post autoclaving/heating) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
	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			
<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 sensitivity testing and isolation of anaerobic and microaerophilic organisms.				
<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>B105</b>	53.00 g/l	9.43 L	7.2 ± 0.2	Nil	121 <sup>0</sup> C /15 min.

**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 BIOMARK LABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.