

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B169</b>	<b>DEXTROSE STARCH AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Proteose peptone	15.00				
Dextrose	2.00				
Starch, soluble	10.00				
Sodium chloride	5.00				
Disodium phosphate	3.00				
Gelatin	20.00				
Agar	10.00				
Final pH (at 25°C) : 7.3 ± 0.2					
<b>Directions :</b>					
Suspend 65 gms.in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the tubes medium in a slanted position.					
<b>Principle :</b>					
Proteose Peptone provides the nitrogen, vitamins and amino acids in Dextrose Starch Agar. Soluble Starch improves growth response. Dextrose is a carbon source. Sodium chloride maintains the osmotic balance of the medium, and Disodium phosphate is a buffering agent. Agar is the solidifying agent.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>					
PH (post autoclaving/heating) :	7.3 ± 0.2				
Colour (post autoclaving/heating) :	Light amber				
Clarity (post autoclaving/heating) :	Slightly opalescent with flocculent precipitate.				
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after	18-48 hrs.at 35-37°C.				
MICROORGANISM (ATCC )	GROWTH				
Neisseria gonorrhoeae (19424)	Luxuriant				
Neisseria meningitidis (13090)	Luxuriant*				
Streptococcus pyogenes (19615)	Luxuriant				
Streptococcus pneumoniae (6303)	Luxuriant				
Key : * Incubation in CO <sub>2</sub> environment					
<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>	Propagation of pure cultures of Neisseria gonorrhoeae and other fastidious organisms.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium – Use freshly prepared medium.				
<b>Packing :</b>	500 gm bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B169</b>	65g/l	7.69L	7.3 ± 0.2	NIL	121°C / 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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