

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B667</b>	<b>PEPTONE YEAST DEXTROSE AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>			<b>gms/lit.</b>		
Peptic digest of animal tissue			1.25		
Yeast extract			1.25		
Dextrose			3.00		
Agar			20.00		
Final pH (at 25°C) : 6.8 ± 0.2					
<b>Directions :</b>					
Suspend 25.5 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
The medium contains peptic digest of animal tissue and yeast extract which supply the nitrogenous nutrients, vitamin B complex, peptides and trace ingredients for the growth of aquatic fungi. Dextrose is the energy source.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :			Yellow		
Appearance :			Homogeneous Free Flowing powder		
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :			6.8 ± 0.2		
Colour (post autoclaving/heating) :			Yellow		
Clarity (post autoclaving/heating) :			Clear to slightly opalescent		
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 8 days at 25°C.					
MICROORGANISM (ATCC )		GROWTH			
Blastocladiella emersonii		Luxuriant			
Candida albicans (10231 )		Luxuriant			
Saccharomyces cerevisiae (9763 )		Luxuriant			
Eikenella corrodens		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 cultivation of aquatic fungi like Blastocladiella species.					
<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>B667</b>	25.5g/l	19.607L	6.8 ± 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 BIOMARK LABORATORIES publications.

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