

## TECHNICAL SHEET

<b>B647</b>	<b>POTATO DEXTROSE SUCROSE AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Sucrose		600.00			
Dextrose		40.00			
Potatoes, infusion from (solids)		4.00			
Agar		15.00			
Final pH (at 25°C) : Self					
<b>Directions :</b>					
Suspend 65.9 grams in 100 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well before dispensing.					
<b>Principle :</b>					
Potato Dextrose – Sucrose Agar is formulated as recommended in APHA and used for the isolation and cultivation of Zygosaccharomyces rouxii from chocolate syrup. Yeasts are the principle causes of spoilage in confectionaries. Zygosaccharomyces rouxii is identified as a principal cause of spoilage which grows over a wide range of pH. Yeast spoilage of chocolate – covered creams is evident by cracking of the coating and leaking of the fondant and syrup. Very high percentage of sucrose along with the 4% dextrose and the potato infusion supports good growth of Zygosaccharomyces rouxii.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	White to light yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :	Self			
	Colour (post autoclaving/heating) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear to slightly opalascent			
<b>(III)Q.C. Test Microbiological</b>					
	Cultural characteristics observed after 48 - 72 hrs. at 22-30°C.				
	MICROORGANISM (ATCC )		GROWTH		
	Zygosaccharomyces rouxii (34890)		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 the isolation and cultivation of Zygosaccharomyces rouxil from chocolate syrup.			
<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>B647</b>	659.0g/l	0.76 L	Self	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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