BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B647	**POTATO DEXTROSE SUCROSE AGAR**
Formula	
Ingredients :	**gms/lit.**
Sucrose	600.00
Dextrose	40.00
Potatoes, infusion from (solids)	4.00
Agar	15.00
Final pH (at 25°C) : Self	

Directions :

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.

Principle :

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.

QC Tests – (I)Dehydrated Medium		
	Colour :	White to light yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	Self
	Colour (post autoclaving/heating) :	Light amber
	Clarity (post autoclaving/heating) :	Clear to slightly opalascent
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after 48 - 72 hrs. at 22-30°C.	
	MICROORGANISM (ATCC)	GROWTH
	Zygosaccharomyces rouxii (34890)	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 the isolation and cultivation of Zygosaccharomyces rouxil from chocolate syrup.
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
B647	659.0g/l	0.76 L	Self	NIL	121^0C / 15 minutes