

## TECHNICAL SHEET

<b>B799</b>	<b>MY 40 AGAR</b>				
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/lit.</b>			
Malt extract		20.00			
Yeast extract		5.00			
Sucrose		400.00			
Agar		20.00			
Final pH (at 25°C): Self					
<b>Directions:</b>					
Suspend 44.5 gms in 100 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. DO NOT OVERHEAT. Mix well and pour into sterile Petri plates.					
<b>Principle:</b>					
A simple presence-absence test for detection of small numbers of osmotolerant yeasts in high-sugar foods is useful for enumeration. Osmophilic Agar (MY 40 Agar) is generally used for this purpose. The medium contains malt extract and yeast extract which supply the nitrogenous nutrients, amino acids, vitamins, trace ingredients to the osmophilic yeasts. 40% sucrose in the medium satisfy the nutritional need of these yeasts. Agar is the solidifying agent.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour:	Off white to light yellow			
	Appearance:	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating):	Self			
	Colour (post autoclaving/heating):	Medium amber			
	Clarity (post autoclaving/heating):	Slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
	Cultural characteristics observed upto 1 week at 25-30°C.				
	MICROORGANISM (ATCC)	GROWTH			
	Aspergillus niger (16404)	Good – luxuriant			
	Mucor racemosus (22365)	Good – luxuriant			
	Penicillium notatum (10108)	Good – luxuriant			
	Saccharomyces rouxii (28253)	Good – 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 detection and isolation of osmophilic microorganisms from food samples.			
<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
<b>B799</b>		44.5g/l	11.235L	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 BIOMARKLABORATORIES 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.