

**TECHNICAL SHEET**

<b>B480</b>	<b>CZAPEK MALT AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Malt extract		40.00			
Sucrose		30.00			
Sodium nitrate		2.00			
Potassium chloride		0.50			
Magnesium sulphate		0.50			
Ferrous sulphate		0.01			
Dipotassium phosphate		1.00			
Agar		20.00			
Final pH (at 25°C) : 6.8 ± 0.2					
<b>Directions :</b>					
Suspend 94 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15lbs pressure (121°C) for 20 minutes.					
<b>Principle :</b>					
It contains sodium nitrate as the sole source of nitrogen. Sucrose and malt extract serves as the carbohydrate sources for the growing fungi. Various salts in the medium not only buffers the medium but also provide essential ions to the fungi. Slightly acidic pH of the medium favours the growth of saprophytic fungi.					
<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) :	Medium amber			
	Clarity (post autoclaving/heating) :	Slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 48-72 hrs. at 30°C.					
	MICROORGANISM (ATCC )	GROWTH			
	Penicillium notatum	Luxuriant			
	Aspergillus niger (16404 )	Good - luxuriant			
	Candida albicans (10231 )	Good - luxuriant			
	Saccharomyces cerevisiae (9763 )	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 isolation, detection and cultivation of saprophytic fungi.				
<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>B480</b>	94g/l	5.319L	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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