

<b>B1181</b>	<b>CZAPEK YEAST EXTRACT AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Sucrose	30.00					
Yeast extract	5.00					
Dipotassium hydrogen phosphate	1.00					
Sodium nitrate	0.30					
Potassium chloride	0.05					
Magnesium sulphate	0.05					
Ferrous sulphate	0.001					
Zinc sulphate	0.001					
Copper sulphate	0.0005					
Agar	15.00					
Final pH (at 25°C): Self						
<b>Directions :</b>						
Suspend 51.40 grams in 1000 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 and pour into sterile Petri plates.						
<b>Principle :</b>						
Sucrose serves as the source of energy. Yeast extract provides essential amino acids, vitamins and other essential nutrients. Sodium nitrate serves as the nitrogen sources. The various salts buffer the medium in addition to supplying essential ions to the growing fungi.						
<b>QC Tests – (I)Dehydrated Medium</b>						
	Colour :	Cream to yellow				
	Appearance :	Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
	pH (post autoclaving/heating) :	Self				
	Colour (post autoclaving/heating) :	Light yellow				
	Clarity (post autoclaving/heating):	Clear to slightly opalescent gel with a slight precipitate form in Petri plates.				
<b>(III)Q.C. Test Microbiological</b>						
	Cultural characteristics observed after 48 -72 hrs. at 25-30°C.					
	MICROORGANISM (ATCC)	GROWTH				
	*Aspergillus brasiliensis(16404)	Luxuriant				
	Key:* - Formerly known as Aspergillus niger					
<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>		It is recommended for the cultivation and maintenance of Aspergillus brasiliensis				
<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>B1181</b>		51.40 g/l	9.727 L	Self	Nil	121 <sup>o</sup> 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.

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