

B1181	CZAPEK YEAST EXTRACT AGAR				
Formula					
Ingredients :		gms/lit.			
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					
Directions :					
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.					
Principle :					
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.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	Self			
	Colour (post autoclaving/heating) :	Light yellow			
	Clarity (post autoclaving/heating):	Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 48 -72 hrs. at 25-30°C.				
	MICROORGANISM (ATCC)		GROWTH		
	*Aspergillus brasiliensis(16404)		Luxuriant		
	Key:* - Formerly known as Aspergillus niger				
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 :		It is recommended for the cultivation and maintenance of Aspergillus brasiliensis			
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
B1181		51.40 g/l	9.727 L	Self	Nil
					121 ^o 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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