

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B157	CZAPEK DOX BROTH				
Formula					
Ingredients :		gms/lit.			
Sucrose		30.00			
Sodium nitrate		3.00			
Dipotassium phosphate		1.00			
Magnesium sulphate		0.50			
Potassium chloride		0.50			
Ferrous sulphate		0.01			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 35.01 grams in 1000 ml purified/ distilled water. Heat if necessary to dissolve the medium completely. Mix well and dispense into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Sucrose is the sole carbon source, and Sodium Nitrate is the sole nitrogen source in Czapek – Dox Broth. Dipotassium Phosphate is the buffering agent, and Potassium Chloride contains essential ions. Magnesium Sulfate and Ferrous Sulfate serves as sources of essential ions.					
QC Tests – (I) Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.3 ± 0.2			
	Colour (post autoclaving/heating) :	Light yellow			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent may have slight ppt			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 48-72 hrs. at 25-30°C.					
	MICROORGANISM (ATCC)	GROWTH			
	Aspergillus niger (16404)	Good-Luxuriant			
	Saccharomyces cerevisiae (9763)	Good-Luxuriant			
	Candida albicans (10231)	Good-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 general cultivation of fungi from water samples.				
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
B157	35.01g/l	14.28L	7.3 ± 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 BIOMARKLABORATORIES publications.

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