

B156	CZAPEK DOX AGAR					
Formula						
Ingredients :		gms/lit.				
Sucrose		30.00				
Sodium nitrate		2.00				
Dipotassium phosphate		1.00				
Magnesium sulphate		0.50				
Potassium chloride		0.50				
Ferrous sulphate		0.01				
Agar		15.00				
Final pH (at 25°C) : 7.3 ± 0.2						
Directions :						
Suspend 49.01 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. Cool to 45-50°C. Mix well and pour into sterile Petri plates.						
Principle :						
Sucrose is the sole carbon source, and Sodium Nitrate is the sole nitrogen source in Czapek – Dox Agar. Dipotassium Phosphate is the buffering agent, and Potassium Chloride contains essential ions. Magnesium Sulfate and Ferrous Sulfate serves as sources of essential ions. Agar is the solidifying agent in Czapek Dox Agar.						
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) :		Cream to light yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent with a slight precipitate				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48-72 hrs. at 25-30°C.						
MICROORGANISM (ATCC)		GROWTH				
Aspergillus niger (16404)		Luxuriant				
Saccharomyces cerevisiae (9763)		Luxuriant				
Candida albicans (10231)		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.				
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
B156		49.01g/l	10.41 L	7.3 ± 0.2	Nil	121°C / 15 minutes