

B823	YEAST CARBON BASE		
Formula			
Ingredients :	gms/lit.		
Dextrose	10.00		
L-Histidine hydrochloride	0.001		
DL-Methionine	0.002		
DL-Tryptophan	0.002		
Biotin	0.000002		
Calcium pantothenate	0.0004		
Folic acid	0.000002		
Inositol	0.002		
Niacin	0.0004		
p-Amino benzoic acid	0.0002		
Pyridoxine hydrochloride	0.0004		
Riboflavin (Vitamin B2)	0.0002		
Thiamine hydrochloride	0.0004		
Boric acid	0.0005		
Copper sulphate	0.00004		
Potassium iodide	0.0001		
Ferric chloride	0.0002		
Manganese sulphate	0.0004		
Sodium molybdate	0.0002		
Zinc sulphate	0.0004		
Monopotassium phosphate	1.00		
Magnesium sulphate	0.50		
Sodium chloride	0.10		
Calcium chloride	0.10		
Final pH (at 25°C) :	5.5 ± 0.2		
Directions :			
For Nitrogen Assimilation test, prepare the broth base in 10X concentration. Dissolve 11.7 gms. in 100 ml. distilled water. Add sterile nitrogen source as desired to it. Warm if necessary to dissolve the medium completely. Sterilization by filtration.			
For detection of yeasts, other than <i>Saccharomyces cerevisiae</i> , dissolve 2.35 gms. of Yeast Carbon Base in 100 ml. distilled water.			
For detection and enumeration of wild yeasts in beer and other brewing materials add 0.33 gms. of Ammonium sulphate and 4 gms. of agar to base B. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.			
Principle :			
Yeast carbon base is composed of a defined set of nutrients including carbon source, amino acids, vitamins and minerals required for the growth of yeasts. The inclusion of vitamins in this base was found necessary by Wickerham as an aid for utilization of nitrogen compounds by certain yeasts as they cannot assimilate these compounds in the absence of vitamins.			
QC Tests - (I) Dehydrated Medium			
Colour :	White		
Appearance :	Homogeneous Free Flowing powder		
(II) Rehydrated medium			
pH (post autoclaving/heating) :	5.5 ± 0.2		
Colour (post autoclaving/heating) :	Colourless		
Clarity (post autoclaving/heating) :	Clear		
(III) Q.C. Test Microbiological			
Cultural characteristics observed after 6 -7 days (longer if necessary) at 25 - 30°C.			
MICROORGANISM (ATCC)	GROWTH		
	Plain	With ammonium sulphate	
<i>Saccharomyces cerevisiae</i> (9763)	None -poor	Good	
<i>Saccharomyces uvarum</i> (9080)	None -poor	Good	

Refer disclaimer Overleaf

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 classification of yeasts on the basis of their ability to assimilate nitrogen compounds.				
Storage :	Dehydrated medium and prepared medium- Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B823	11.7g/l	42.7 L	5.5 ± 0.2	Nil	121°C/15 min.

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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