

TECHNICAL SHEET

B820	YXT AGAR BASE				
Formula					
Ingredients:		gms/lit.			
Yeast extract	4.00				
Glucose	4.00				
Malt extract	10.00				
Agar	15.00				
Final pH (at 25°C) : Self					
Directions :					
Suspend 33 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 50°C and aseptically add filter sterilized tetracycline at a final concentration of 10 mcg/ml of medium. Mix well and pour into sterile Petri plates					
Principle :					
Yeast extract and malt extract serve as inorganic nitrogen source and a source of other growth factors, while dextrose serves as carbon and energy source. Tetracycline is added for the improved, selective isolation and enumeration of yeasts and molds from foods					
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) :	Yellow				
Clarity (post autoclaving/heating) :	Opalescent gel				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24-72 hours at 25 - 30°C.					
MICROORGANISM (ATCC)	GROWTH				
Aspergillus brasiliensis (16404)	good-luxuriant				
Candida albicans(10231)	good-luxuriant				
Pencillium notatum(10108)	good-luxuriant				
Saccharomyces cerevisiae (9763)	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 :					
It is used for detecting yeasts and moulds from foods.					
Storage :					
Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.					
Packing :					
500 gm. bottle					
Product profile:					
	Reconstitution	Quantity on Preparation (100g)	pH (25°C)	Supplement	Sterilization
B820	33.0 g/l	15.15L	Self	Tetracycline at a final concentration of 10 mcg/ml of medium	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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