

TECHNICAL SHEET

B494	DEXTROSE SALT BROTH				
Formula					
Ingredients :			gms/lit.		
Dextrose			10.00		
Yeast extract			1.00		
Ammonium nitrate			1.00		
Ammonium sulphate			1.00		
Disodium phosphate			4.00		
Monopotassium phosphate			2.00		
Sodium chloride			1.00		
Final pH (at 25°C) : 6.6 ± 0.2					
Directions :					
Suspend 20 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Distribute in tubes containing inverted Durhams tubes. Sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes.					
Principle :					
Dextrose Salt Broth is prepared according to the standard formula 31 of the International Dairy Federation. It is used for enumeration of yeasts and molds in butter and other dairy products. Yeast extract and dextrose provide growth nutrients.					
QC Tests – (I)Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		6.6 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 48-72 hrs.at 30°C.					
MICROORGANISM (ATCC)		GROWTH			
Aspergillus niger (16404)		Good – luxuriant			
Candida albicans (10231)		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 :					
For enumeration of yeasts and molds in butter and other dairy products.					
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
B494	20g/l	25L	6.6 ± 0.2	Nil	115°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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