

TECHNICAL SHEET

B1279	YEP AGAR				
Formula					
Ingredients :		gms/lit.			
Yeast extract		1.00			
Disodium phosphate		0.20			
Monopotassium phosphate		0.30			
Phenol red		0.001			
Agar		20.00			
Final pH (at 25°C): Self					
Directions :					
Suspend 21.50 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 pour into sterilize Petri plates to make deep-filled plates to reduce the drying effect during prolonged incubation. After inoculating the plate, add one drop of concentrated ammonia at the edge of the medium. Allow to remain undisturbed for 20 minutes before inverting the plates. Incubate the plates at 25-30°C.					
Principle :					
Yeast extract supplies B-complex vitamins, amino acids and carbohydrates to support fungal growth. A phosphate buffer maintains a slightly acidic pH. Phenol red changes the colour of the medium from pale tan to pink					
QC Tests -					
(I) Dehydrated Medium					
	Colour :	Light yellow to beige			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	Self			
	Colour (post autoclaving/heating) :	Yellow to orange			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent gel			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed after 1-4 weeks at 25-30 °C.				
	MICROORGANISM (ATCC)	GROWTH			
	Blastomyces dermatidis (14112)	Good			
	Staphylococcus aureus (25923)	None-poor			
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 recommended for isolation of dimorphic fungi from clinical specimens.				
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
B1279	21.5 g/l	23.25 L	Self	Ammonia	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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