

TECHNICAL SHEET

B1022	EMERSON YSS AGAR				
Formula					
Ingredients :		gms/lit.			
Soluble starch		15.00			
Yeast extract		4.00			
Dipotassium phosphate		1.00			
Magnesium sulphate		0.50			
Agar		20.00			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 40.5 gms. in 1000 ml. distilled water. If desired, half strength medium can be prepared using 20.25 gms. in 1000 ml distilled water Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Emerson YSS Agar is the formulation of Emerson. Emerson and Wilson used the medium in half strength to obtain single germlings from zoospores. After the medium solidifies in petriplate, 3-4 drops of sterile water are placed at the center of the plate. The swarmers are pipetted into this water and then spread evenly over the surface with a glass rod.					
QC Tests - (I) Dehydrated Medium					
Colour :		Light beige			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light to medium amber			
Clarity (post autoclaving/heating) :		Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 40-72 hrs. at 30°C.					
MICROORGANISM (ATCC)		GROWTH			
Aspergillusniger (16404)		Luxuriant			
Saccharomyces cerevisiae (9763)		Luxuriant			
Saccharomyces uvarum (9080)		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 the isolation of Actinomycetes and other 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
B1022	40.5g/l	12.34L	7.0 ± 0.2	Nil	121°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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