

TECHNICAL SHEET

B1115	SABOURAUD DEXTROSE MALTOSE AGAR					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		5.00				
Peptic digest of animal tissue		5.00				
Dextrose		10.00				
Maltose		10.00				
Agar		15.00				
Final pH (at 25°C) : 5.4 ± 0.2						
Directions :						
Suspend 45.0 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. DO NOT OVERHEAT. Mix well and pour in sterile Petri plates						
Principle :						
Casein enzymic hydrolysate and peptic digest of animal tissue provide nitrogen, vitamins, minerals, amino acids and growth factors. Dextrose and maltose provide an energy source for the growth of microorganisms. The low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens. The acid reaction of the final medium is inhibitory to a large number of bacteria making it particularly useful for cultivating fungi and aciduric microorganisms.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		5.4 ± 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 an incubation at 25 - 30°C for upto 5 days.						
MICROORGANISM (ATCC)		GROWTH				
Aspergillus niger (16404)		good-luxuriant				
Candida albicans (10231)		good-luxuriant				
Lactobacillus casei(28191)		good-luxuriant				
Saccharomyces cerevisiae (9763)		good-luxuriant				
Escherichia coli (25922)		Good luxuriant (Inhibited on media with low pH)				
Trichophyton rubrum (28191)		good-luxuriant				
Penicillium notatum(10108)		good-luxuriant				
Trichophyton gallinae (22243)		good-luxuriant				
Trichophyton mentagrophytes(9533)		good-luxuriant				
Trichophyton ajelloi(24885)		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 the cultivation of moulds, yeasts and aciduric organisms as well as testing antimycotic substances.				
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
B1115	45g/l		11.111L	5.4 ± 0.2	Nil	121°C / 15 minutes

Disclaimer:

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