

TECHNICAL SHEET

B313	SABOURAUD MALTOSE BROTH				
Formula					
Ingredients :		gms/lit.			
Maltose		40.00			
Mycological peptone		10.00			
Final pH (at 25°C) :		5.6 ± 0.2			
Directions :					
Suspend 50 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45- 50°C.					
Principle :					
Mycological peptone provides nitrogen, vitamins, minerals, amino acids and growth factors. Maltose provides an energy source for the growth of microorganisms. The low pH favours 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. For isolation of fungi from contaminated specimens, a selective medium should be inoculated simultaneously. Incubate cultures for 4 to 6 weeks before reporting as negative.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	5.6 ± 0.2			
	Colour (post autoclaving/heating) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed after an incubation at 25 - 30°C for 48 - 72 hours. (Incubate Trichophyton species for upto 7 days).				
	MICROORGANISM (ATCC)	GROWTH			
	Aspergillus niger (16404)	Good-Luxuriant			
	Candida albicans (10231)	Good-Luxuriant			
	Trichophyton rubrum (28191)	Good-Luxuriant			
	Saccharomyces cerevisiae (9763)	good-luxuriant			
	Escherichia coli (25922)	Good-luxuriant (inhibited on media with low pH)			
	Lactobacillus casei (9595)	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. 2. Further biochemical and serological tests must be carried out for further identification.				
Use :	Recommended for propagation of yeasts and moulds, particularly the parasitic fungi concerned with skin and scalp lesions.				
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
B313	50g/l	10.0L	5.6 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

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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