B312	**SABOURAUD MALTOSE AGAR**
Formula	
Ingredients :	**gms/lit.**
Maltose	40.00
Mycological peptone	10.00
Agar	15.00
Final pH (at 25°C) :	5.6 ± 0.2

Directions :

Suspend 65 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.

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 to slightly opalescent
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after an incubation at 25 - 30°C for 48 - 72 hours. (Incubate Trichophyton species for 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
B312	65g/l	7.692L	5.6 ± 0.2	NIL	121^0C / 15 minutes

Refer disclaimer Overleaf

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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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