

TECHNICAL SHEET

B557		ISP MEDIUM NO. 2 (YEAST MALT AGAR)			
Formula					
Ingredients:		gms/lit.			
Peptone		5.00			
Yeast extract		3.00			
Malt extract		3.00			
Dextrose		10.00			
Agar		20.00			
Final pH (at 25°C): 6.2 ± 0.2					
Directions :					
Suspend 20.5 grams in 490 ml purified/distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. For preparing selective media acidify the media up to pH 3.0 to 4.0 by aseptically adding 1 vial of 10% Lactic Acid Solution (BF079). DO NOT HEAT the media after addition of acid. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
Principle :					
Peptone serves as a source of carbon, nitrogen, long chain amino acids and other essential nutrients. Yeast extract supplies vitamin B complex nutrients and other growth factors. Malt extract serves as an additional source of carbon. Dextrose is the carbohydrate and energy source. To increase the selectivity, the media can be acidified by the addition of sterile10% Lactic Acid or by addition of 10% HCl, tartaric acid or 10% citric acid. Alternatively, antibiotics (penicillin 20U/ml or streptomycin to a final concentration of 40mcg/ml) can be added. Acidified agar medium should not be reheated.					
QC Tests – (I)Dehydrated Medium					
		Colour :			
		Appearance :			
		Cream to Yellow			
		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
		pH (post autoclaving/heating) :			
		6.2 ± 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 40 - 72 hrs at 25 - 30°C.					
		MICROORGANISM (ATCC)		GROWTH AT pH 3.4	GROWTH AT pH 6.2
		Aspergillus niger (16404)		Good - luxuriant	Good - luxuriant
		Candida albicans (10231)		Good - luxuriant	Good - luxuriant
		Saccharomyces cerevisiae (9763)		Good - luxuriant	Good - luxuriant
		Lactobacillus leichmanni (4797)		Poor	Good - luxuriant
		Lactobacillus casei (9595)		Poor	Good - luxuriant
		Escherichia coli (25922)		Inhibited	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. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium.			
Use :		For the isolation and cultivation of yeasts, molds and other acid uric microorganisms.			
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
B557		41g/l	12.19 L	6.2 ± 0.2	Nil
					121 ⁰ 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 BIOMARK LABORATORIES publications.

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