BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B194	**MYCOLOGICAL AGAR W/ LOW PH (FUNGAL AGAR WITH LOW PH)**
Formula	
Ingredients :	**gms/lit.**
Pepaic digest of soyabean meal	10.00
Dextrose	10.00
Agar	15.00
Final pH (at 25°C) :	4.8 ± 0.2

Directions :

Suspend 35 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. Mix well and pour into sterile Petri plates.

Principle :

Papaic digest of soyabean meal in the medium provides nitrogen, vitamins and minerals necessary to support bacterial growth. Dextrose is a carbon source required for the growth of fungi.

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to light yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	4.8 ± 0.2
	Colour (post autoclaving/heating) :	Cream to 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 (For Trichophyton species longer incubation may be required for upto 7days).	
	MICROORGANISM (ATCC)	FUNGAL AGAR WITH LOW pH
	Aspergillus niger (16404)	Luxuriant
	Candida albicans (10231)	Luxuriant
	Lactobacillus acidophilus (11506)	Luxuriant
	Staphylococcus aureus (25923)	Inhibited
	Saccharomyces cerevisiae (9763)	Luxuriant
	Saccharomyces uvarum (9080)	Luxuriant
	Trichophyton mentagrophytes (9533)	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 selective enumeration and cultivation of saprophytic fungi and aciduric bacteria.
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
B194	35g/l	14.28L	4.8 ± 0.2	NIL	121^0C / 15 minutes