B694	**POTATO MALT AGAR**

Formula

Ingredients :	**gms/lit.**
Potatoes infusion from	200.00
Sucrose	60.00
Malt extract	20.00
Peptic digest of animal tissue	1.00
Agar	20.00

Final pH (at 25°C) : 5.6 ± 0.2

Directions :

Suspend 10.50 gms.in 100 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 before pouring the petri plates.

Principle :

Potato infusion, sucrose and malt extract promote luxuriant fungal growth. Adjusting the pH of the medium by tartaric acid inhibits the bacterial growth. Heating the medium after acidification should be avoided as it may hydrolyse the agar which can render the agar unable to solidify.

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to light 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 4 – 5 days at 22 - 25°C.	

	MICROORGANISM (ATCC)	GROWTH
	Aspergillus niger (16404)	Luxuriant
	Candida albicans (10231)	Luxuriant
	Saccharomyces cerevisiae (9763)	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. Heating Potato Dextrose Agar after acidifying hydrolyzes the agar and may destroy the solidifying properties.
	3. Potato Dextrose Agar is not a diffferential medium. Perform microscopic examination and biochemical tests to identify isolates to genus and species if necessary.
Use :	For cultivation and maintenance of smut fungi and other phytopathogenic fungi.
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
B694	105.0g/l	4.76 L	5.6 ± 0.2	NIL	121^0C / 15 minutes