

**TECHNICAL SHEET**

<b>B730</b>	<b>SOYA PEPTONE YEAST EXTRACT AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
Papaic digest of soyabean meal			10.00			
Yeast extract			5.00			
Dextrose			40.00			
Streptomycin			0.03			
Chloramphenicol			0.05			
Agar			17.00			
Final pH (at 25°C) : 6.6 ± 0.2						
<b>Directions :</b>						
Suspend 72.08 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 118°C for 15 minutes. Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
The medium contains papaic digest of soyabean meal, yeast extract and dextrose, all of which provide essential nutrients for the fungal growth. Chloramphenicol and streptomycin have inhibitory action on bacteria. Temperature of incubation may affect the sensitivity of certain systemic pathogenic fungi to chloramphenicol. It is therefore recommended that incubation should be carried out at 25-30°C.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :			Cream to yellow			
Appearance :			Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :			6.6 ± 0.2			
Colour (post autoclaving/heating) :			Light amber			
Clarity (post autoclaving/heating) :			clear to slightly opalescent gel			
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after an incubation at 25-30°C for 48-72 hours						
MICROORGANISM (ATCC )			GROWTH			
Candida albicans (10231)			good-luxuriant			
Staphylococcus aureus (29213)			inhibited			
Trichophyton verrucosum (36058)			good-luxuriant			
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		It is recommended for selective isolation of dermatophytes especially Trichophyton verrucosum and other pathogenic fungi.				
<b>Storage :</b>		Dehydrated medium- between 15-25°C Prepared medium – Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B730</b>		72.08 g/l	6.936 L	6.6 ± 0.2	Nil	121°C/15 minutes.

**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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