

**TECHNICAL SHEET**

<b>B226</b>	<b>LITTMAN OXGALL AGAR BASE</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		10.00			
Dextrose		10.00			
Oxgall		15.00			
Crystal violet		0.010			
Agar		20.00			
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions :</b>					
Suspend 55.01 grams in 1000 ml distilled water. Heat to boiling, to dissolves the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C and aseptically add sterile Streptomycin to a final concentration of 30 mcg/ml of medium. Mix well and pour into sterile Petri plates.					
<b>Principle :</b>					
Peptic digest of animal tissue provides nitrogen, amino acids and carbon. Dextrose is an additional carbon source. Oxgall restricts the spreading of fungus colonies. Crystal violet & streptomycin are selective bacteriostatic agents. Agar is a solidifying agent..					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :		Light yellow to light brown may have green tinge			
Appearance :		Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Blue			
Clarity (post autoclaving/heating) :		Slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after an incubation at 25-30°C for 48-72 hours					
MICROORGANISM (ATCC )		GROWTH WITH PLAIN MEDIUM	GROWTH WITH STREPTOMYCIN		
Aspergillus flavus (22547)		Luxuriant	Good – luxuriant		
Candida albicans (10231)		Good – luxuriant	Good – luxuriant		
Escherichia coli (25922)		Luxuriant	Inhibited		
Microsporum audouinii (9079)		Luxuriant	Good – luxuriant		
Saccharomyces cerevisiae (9763)		Good – luxuriant	Good – luxuriant		
Saccharomyces uvarum (28098)		Good – luxuriant	Good – luxuriant		
Trichophyton mentagrophytes(9533)		Moderate-good	Moderate-good		
Trichophyton rubrum (28188)		Good	Good		
<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>		For primary isolation of pathogenic fungi.			
<b>Storage :</b>		Dehydrated medium- below 30°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>B226</b>	55.01 g/l	9.09 lit	7.0 ± 0.2	nil	121°C/5 min

Refer disclaimer Overleaf

**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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