

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B591	LITTMAN OXGALL BROTH BASE				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		10.00			
Dextrose		10.00			
Oxgall		15.00			
Crystal violet		0.01			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 35 gms in 1000ml. distilled water. 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.					
Principle :					
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.					
QC Tests – (I) Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Blue			
Clarity (post autoclaving/heating) :		Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 48-72 hrs. at 30°C.					
MICROORGANISM (ATCC)		PLAIN MEDIUM		WITH STREPTOMYCIN	
Aspergillus flavus (22547)		Luxuriant		Luxuriant	
Microsporium audouinii (9079)		Luxuriant		Luxuriant	
Escherichia coli (25922)		Luxuriant		Inhibited	
Candida albicans (10231)		Good to luxuriant		Good to 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 :					
B591: For selective enrichment and cultivation of pathogenic 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
B591	35g/l	14.28 lit	7.0 ± 0.2	nil	121°C/15 min