

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B224	LETHEEN BROTH (AOAC)					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Beef extract		5.00				
Polysorbate 80		5.00				
Sodium chloride		5.00				
Lecithin		0.70				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 25.7 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.						
Principle :						
Letheen Broth contains Peptic digest of animal tissue and Beef Extract which provide the carbon and nitrogen sources necessary for growth. Lecithin and Polysorbate 80 are added as surface active disinfectant neutralizing agents. Sodium Chloride is included to maintain osmotic balance.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 -48 hours at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Good to Luxuriant				
Escherichia coli (8739)		Good to Luxuriant				
Staphylococcus aureus (6538)		Good to Luxuriant				
Staphylococcus aureus (25923)		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 determination of the phenol coefficient of quaternary ammonium compounds using Escherichia coli or Staphylococcus aureus ATCC 6538.				
Storage :		Dehydrated medium and prepared medium - Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B224		25.70 g/l	19.46 lit	7.0 ± 0.2	None	121°C/15 min