

**TECHNICAL SHEET**

<b>B224</b>	<b>LETHEEN BROTH (AOAC)</b>				
<b>Formula</b>					
<b>Ingredients:</b>			<b>gms/lit.</b>		
Peptic digest of animal tissue			10.00		
Meat Extract B#			5.00		
Polysorbate 80			5.00		
Sodium chloride			5.00		
Lecithin			0.70		
#- Equivalent to Beef extract					
Final pH (at 25°C): 7.0 + 0.2					
<b>Directions:</b>					
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.					
<b>Principle:</b>					
Letheen Broth contains Peptic digest of animal tissue and Meat Extract B 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.					
<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):		7.0 ± 0.2		
	Colour (post autoclaving/heating):		Light yellow		
	Clarity (post autoclaving/heating):		Clear to slight opalescent with slight precipitate		
<b>(III) Q.C. Test Microbiological</b>					
	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		
<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 determination of the phenol coefficient of quaternary ammonium compounds using Escherichia coli or Staphylococcus aureus ATCC 6538.				
<b>Storage:</b>					
	Dehydrated medium and 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>B224</b>	25.70 g/l	19.46 lit	7.0 + 0.2	Nil	121°C/15 min

**Disclaimer:**

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