

TECHNICAL SHEET

B223	LETTEEN Agar				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		5.00			
Meat Extract B#		3.00			
Dextrose		1.00			
Polysorbate 80		7.00			
Lecithin		1.00			
Agar		15.00			
#- Equivalent to Beef extract					
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 32 grams in 1000 ml distilled water. Heat to boiling 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 Agar contains Meat Extract B, and Casein enzyme hydrolysate which provide the carbon and nitrogen sources required for growth of a wide variety of organisms. Dextrose is provided as a source of fermentable carbohydrate. Agar is added as a solidifying agent. Lecithin and Polysorbate 80 are added to neutralize surface disinfectants. Lecithin is added to neutralize quaternary ammonium compounds and Polysorbate 80 is incorporated to neutralize phenols, hexachlorophene, formalin and, with lecithin, ethanol.					
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 to slightly opa;ascent			
(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			
Staphylococcus aureus (6538)		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 :	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
B223	32.00 g/l	15.625 lit	7.0 + 0.2	Nil	121°C/15 min

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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