

TECHNICAL SHEET

B700	LURIA BERTANI AGAR, MILLER (MILLER LURIA BERTANI AGAR)				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		10.00			
Yeast extract		5.00			
Sodium chloride		10.00			
Agar		15.00			
Final pH (at 25°C) :		7.5 ± 0.2			
Directions :					
Suspend 40 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. Dispense as desired. Mix well and pour into sterile Petri plates.					
Principle :					
Casein enzymic hydrolysate provides peptides and peptones while Vitamin B complex is provided by yeast extract. Sodium chloride provides sodium ions for membrane transport and also maintains the osmotic equilibrium of the medium.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	7.5 ± 0.2			
	Colour (post autoclaving/heating) :	Yellow to amber			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed after 18 - 24 hours at 35-37°C.				
	MICROORGANISM (ATCC)	GROWTH			
	Escherichia coli (25922)	Luxuriant			
	Escherichia coli (23724)	Luxuriant			
	Escherichia coli DH5 alpha MTCC 1652	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 the cultivation and maintenance of recombinant strains of Escherichia coli for genetic and molecular studies, can be used for routine cultivation and isolation of not particularly fastidious microorganisms.			
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
B700	40g/l	12.5 lit	7.5 ± 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 BIOMARK LABORATORIES publications.

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