

TECHNICAL SHEET

LM008	Luria Bertani Broth		
Formula			
Ingredients:		gms/lit.	
Casein enzymic hydrolysate	10.00		
Yeast extract	5.00		
Sodium chloride	10.00		
Directions:			
Label the ready to use bottle (LM008). Inoculate the sample and incubate at specified temperature and time.			
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. The media is nutritionally rich for the growth of pure cultures of recombinant strains.			
(I) QC Tests			
Color:	Sterile clear Luria Bertani broth in glass bottle.		
Appearance:	Yellow to amber in glass bottle.		
(II) Sterility test			
Passes release criteria			
(III) Q.C. Test Microbiological			
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.			
MICROORGANISM (ATCC)	Growth	INOCULUM (CFU)	
Escherichia coli 25922	Luxuriant	50-100	
Escherichia coli 23724	Luxuriant	50-100	
Escherichia coli DH5 alpha MTCC 1652	Luxuriant	50-100	

Refer disclaimer Overleaf

Precautions :	1. In Vitro diagnostic use only. 2. Read the label before opening the container
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 and may be used for routine cultivation of not particularly fastidious microorganisms.
Storage:	Store between 2-8 °C. Use before expiry date on the label.
Packing:	10ml in 25/50 Glass bottle.

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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