

TECHNICAL SHEET

B1409	LYSINE DECARBOXYLASE BROTH (ACC.TO TAYLOR)					
Formula						
Ingredients:		gms/lit.				
Yeast extract		3.00				
Dextrose		1.00				
L-lysine hydrochloride		5.00				
Bromo cresol purple		0.016				
Final pH (at 25°C) : 6.8 ± 0.2						
Directions :						
Suspend 9 gms in 1000ml. distilled water. Boil to dissolve the medium completely. Dispense 5 ml amount into screw capped test tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Yeast extract provide essential growth nutrients. Dextrose is the fermentable carbohydrate and bromo cresol purple is the pH indicator.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to greenish yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Purple				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 hours at 35 -37°C.						
MICROORGANISM (ATCC)		GROWTH		LYSINE DECARBOXYLASE		
Escherichia coli (25922)		Good		L-Lys (+) Purple medium		
Proteus vulgaris (13315)		Good		L-Lys (-) Yellow medium		
Shigella flexneri (12022)		Good		L-Lys (-) Yellow medium		
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 :		Liquid medium to differentiate enteric bacteria in the L-Lysine decarboxylation assays according to ISO 6579				
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
B1409		9 g/l	55.55g/l	6.8 ± 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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