BIOMARK Laboratories-INDIA

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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	121^0C/15 min