B231	**LYSINE DECARBOXYLASE BROTH**
Formula	
Ingredients :	**gms/lit.**
Peptic digest of animal tissue	5.00
Yeast extract	3.00
Dextrose	1.00
L-Lysine hydrochloride	5.00
Bromo cresol purple	0.02
Final pH (at 25°C) : 6.8 ± 0.2	
Directions :	
Suspend 14.02 grams in 1000 ml distilled water. Heat, if necessary, 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. Cool the tubed medium in an upright position and overlay with 2-3 ml of sterile mineral oil.	
Principle :	
Peptic digest of animal tissue and 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 an incubation at 35-37°C for 18-24 hours.(Inoculated tubes are overlayed with sterile mineral oil).	
	MICROORGANISM (ATCC)	LYSINE DECARBOXYLASE
	Escherichia coli (25922)	Variable reaction
	Citrobacter freundii (8090)	Variable reaction
	Enterobacter aerogenes (13048)	Positive reaction, purple colour
	Klebsiella pneumoniae (13883)	Positive reaction, purple colour
	Salmonella paratyphi A	Negative reaction, yellow colour
	Salmonella typhi (6539)	Positive reaction, purple colour
	Salmonella arizonae (13314)	Positive reaction, purple colour
	Serratia marcescens (8100)	Positive reaction, purple colour
	Proteus vulgaris (13315)	Negative reaction, yellow colour
	Proteus mirabilis (25933)	Negative reaction, yellow colour
	Shigella dysenteriae (13313)	Negative reaction, yellow colour

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 differentiating Salmonella Arizonae from the Bethesda Ballerup group of Enterobacteriaceae .
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
B231	14.02 g/l	35.663 g/l	6.8 ± 0.2	NIL	121^0C/15 min

Refer disclaimer Overleaf

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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