BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1169	**DRIGALSKY LACTOSE AGAR , MODIFIED**

Formula

Ingredients :	**gms/lit.**
Peptic digest of animal tissue	10.00
Lactose	10.00
Meat extract B #	4.00
Bromothymol blue	0.04
Agar	16.00

Equivalent to beef extract

Final pH (at 25°C) : 7.4 ± 0.2

Directions :

Suspend 40.04 gms 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.

Principle :

Lactose is source of carbon and fermentable carbohydrate. Peptic digest of animal tissue and Beef extract supply essential nutrients. Bromothymol blue is pH indicator. Lactose fermentors produce acid and thus change color of litmus to red forming red colonies. Lactose non-fermentors develop blue colonies on the medium. Inoculate culture from primary fermentation tubes showing gas by four-quadrant streaking on the medium or by serial dilution and pour plate technique.

QC Tests – (I)Dehydrated Medium	
Colour :	Cream to Yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.4 ± 0.2
Colour (post autoclaving/heating) :	Greenish
Clarity (post autoclaving/heating) :	Clear to Slightly opalescent gel
(III)Q.C. Test Microbiological	

Cultural characteristics observed after 18-24 hous at 37°C.

MICROORGANISM (ATCC)	GROWTH	COLOR OF COLONY	
Salmonella typhimuiriam (14028)	Luxuriant	Bluish	
Staphyococusaureus (25923)	Good	Deep yellow-yellow	
Escherichia coli (25922)	Luxuriant	Yellowish	

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 :	As non-selective differential medium for detection of enteric pathogens.
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
B1169	40.04g/l	12.487L	7.4 ± 0.2	NIL	121^0C / 15 minutes