

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B019</b>	<b>WURTZ MEDIUM</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Meat peptone		5.00				
Meat Extract B#		3.00				
Sodium chloride		5.00				
Lactose		10.00				
Bromo thymol blue		0.075				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C): 7.0 ± 0.2						
<b>Directions :</b>						
Suspend 38.08 grams 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. Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
The medium contains meat peptone and beef extract, which provide essential growth nutrients. Lactose is the fermentable sugar and bromothymol blue acts as pH indicator. Lactose fermenters form yellow coloured colonies, while the lactose-nonfermenting Enterobacteriaceae grows as blue colonies due to the alkalization of the medium.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Green				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 –24 hrs at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Klebsiella pneumoniae (13883)		luxuriant				
Escherichia coli (25922)		luxuriant				
Proteus vulgaris(13315)		luxuriant				
Salmonella Typhi (6539)		luxuriant				
Salmonella Enteritidis(13076)		luxuriant				
Shigella flexneri(12022)		luxuriant				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		It is used as a non-selective medium for isolation and differentiation of lactose-fermenting bacteria.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B019</b>	38.08 g/l		13.13L	7.0 ± 0.2	NIL	121°C / 15 minutes

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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