

**TECHNICAL SHEET**

<b>B1038</b>	<b>FERMENTATION MEDIUM FOR STAPHYLOCOCCUS AND MICROCOCCUS</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein enzymichydrolysate		10.00				
Yeast extract		1.00				
Glucose	10.00					
Bromo cresol purple		0.04				
Agar		2.20				
Final pH (at 25°C) : 7.0 ± 0.2						
<b>Directions :</b>						
Suspend 23.2 gms.in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense tubes and sterilize by autoclaving at 15 lbspressure (121°C) for 15 minutes. Allow tubed medium to cool in an upright position.						
<b>Principle :</b>						
Casein enzymichydrolysate and yeast extract provide necessary nitrogenous nutrients for the organisms. Glucose is the fermentable carbohydrate source in the medium. Bromo cresol purple is the pH indicator. Incorporation of little agar in this medium helps to create anaerobic condition in the depths of the tubes.						
<b>QC Tests - (I)Dehydrated Medium</b>						
Colour :	Yellow					
Appearance :	Homogeneous Free Flowing powder					
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :	7.0 ± 0.2					
Colour (post autoclaving/heating) :	Purple					
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	ACID PRODUCTION				
Staphylococcus aureus (25923)	Good - luxuriant	+				
Micrococcus luteus (10240)	Good - luxuriant	-				
Key : + = positive reaction, yellow colour - = negative reaction, purple colour						
<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>		For studying fermentation by Staphylococcus, Micrococcus species.				
<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>B1038</b>	23.2g/l	21.55L	7.0 ± 0.2	Nil	121°C / 15 minutes	

**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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