

TECHNICAL SHEET

B1164	DEV GLUCOSE BROTH					
Formula						
Ingredients :		gms/lit.				
Meat peptone		10.00				
Meat extract		3.00				
Sodium chloride		5.00				
D(+) Glucose		10.00				
Bromo cresol purple		0.02				
Final pH (at 25°C): 7.4± 0.2						
Directions :						
Suspend 28.02 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense in tubes containing Durham's tubes and sterilize by autoclaving at 115°C for 20 minutes.						
Principle :						
Meat peptone and meat extract provides nitrogenous nutrients to the organisms. Sodium chloride maintains the osmotic equilibrium of the medium. Bromo Cresol purple is the pH indicator which turns yellow at acidic pH. Gas formation is seen in Durham's tube.						
QC Tests - (I) Dehydrated Medium						
Colour :		Light yellow to light green				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Light Purple				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18-24 hrs at 35- 37°C.						
MICROORGANISM (ATCC)		GROWTH	ACID	GAS		
Alcaligenes faecalis(8750)		fair-good	-	-		
Escherichia coli (25922)		Good - luxuriant	+	+		
Klebsiella pneumoniae (13883)		Good - luxuriant	+	+		
Salmonella typhimurium (14028)		Good - luxuriant	+	+		
Enterobacter aerogenes (13048)		Good - luxuriant	+	+		
Key: + = yellow colour / gas production. - = negative reaction, no colour change						
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 :						
It is used for detection of microbial decomposition of glucose.						
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
B1164		28.02 g/l	17.844 L	7.4 ± 0.2	NIL	115°C / 20 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 BIOMARK LABORATORIES publications.

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