

TECHNICAL SHEET

B1255	SOC BROTH					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		20.00				
Yeast extract		5.00				
Sodium chloride		0.50				
Magnesium sulphate		2.40				
Potassium chloride		0.186				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 28.08 grams in 980 ml distilled water. Heat if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add 20 ml of filter sterilized 20% glucose solution. Mix well and dispense as desired.						
Principle :						
Casein enzymic hydrolysate and yeast extract serve as rich sources of nitrogen and growth factors which are readily available to the bacteria that are under stress due to transformation procedures. These sources of nutrients allow them to recover from stress and grow well. Potassium and sodium chloride maintain isotonic conditions. Magnesium sulphate is a source of magnesium ions required in a variety of enzymatic reactions including DNA replication.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
PH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear solution without any precipitate				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM		GROWTH				
Escherichia coli DH5 alpha		luxuriant				
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 a medium used in molecular biology.				
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
B1255	28.08 g/l		17.806 L	7.0 ± 0.2	filter sterilized 20% glucose solution	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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