

TECHNICAL SHEET

B294	PHENOL RED SUCROSE AGAR					
Formula						
Ingredients :			gms/lit.			
Proteose peptone			10.00			
Meat Extract B#			1.00			
Sodium chloride			5.00			
Sucrose			10.00			
Phenol red			0.025			
Agar			15.00			
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 41.02 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubed media to cool in slanted position to form slants with deep butts.						
Principle :						
Proteose Peptone and Meat Extract B provide the carbon and nitrogen required for good growth in a wide variety of organisms. Sodium Chloride maintains the osmotic balance of the medium. Agar is the solidifying agent. Phenol Red serves as a pH indicator, turning from red – orange to yellow when acid is produced during fermentation of the sucrose.						
QC Tests – (I)Dehydrated Medium						
	Colour :		Light yellow to pink			
	Appearance:		Homogeneous Free Flowing powder			
(II)Rehydrated medium						
	pH (post autoclaving/heating) :		7.4 ± 0.2			
	Colour (post autoclaving/heating) :		Red			
	Clarity (post autoclaving/heating) :		Slightly opalescent			
(III)Q.C. Test Microbiological						
	Cultural characteristics observed after 18 - 24 hrs.at 35 -37°C.					
	MICROORGANISM (ATCC)	GROWTH	Acid	Gas		
	Alcaligenes faecalis (8750)	Luxuriant	-	-		
	Escherichia coli (25922)	Luxuriant	-	-		
	Klebsiella pneumoniae (13883)	Luxuriant	+	+		
	Proteus vulgaris (13315)	Luxuriant	+	+		
	Salmonella typhimurium (14028)	Luxuriant	-	-		
	Shigella flexneri (12022)	Luxuriant	-	-		
	*For acid + = Yellow colour					
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 :		Used for studying sucrose fermentation by the pure cultures of microorganisms.				
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
B294		41.02g/l	12.189 L	7.4 ± 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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