

TECHNICAL SHEET

B292	PHENOL RED MANNITOL AGAR					
Formula						
Ingredients :			gms/lit.			
Proteose peptone			10.00			
Meat Extract B#			1.00			
Sodium chloride			5.00			
Mannitol			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 mannitol.						
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 mannitol 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
B292		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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