

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B209	SHEEP BLOOD AGAR BASE				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		14.000			
Peptic digest of animal tissue		4.500			
Yeast extract		4.500			
Sodium chloride		5.000			
Agar		12.500			
Final pH (at 25°C): 7.3 ± 0.2					
Directions :					
Suspend 40.5 grams in 1000 ml distilled water. Heat to boiling 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 7% sterile sheep blood. Mix well and pour into sterile Petri plates.					
Principle :					
Casein enzymic hydrolysate and yeast extract provide nitrogen, carbon, amino acids and vitamins. Peptic digest of animal tissue is the nitrogen source. Sodium chloride maintains the osmotic balance.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.3 ± 0.2			
	Colour (post autoclaving/heating) :	Basal medium- light yellow On addition of 7% sheep blood- cherry red			
	Clarity (post autoclaving/heating) :	Basal medium-Clear gel without any precipitate. On addition of 7% sheep blood- Opaque gel			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours with added 7% v/v sterile sheep blood.				
	MICROORGANISM (ATCC)	GROWTH	HAEMOLYSIS		
	Streptococcus pneumoniae (6303)	Luxuriant	alpha		
	Streptococcus pyogenes (19615)	Luxuriant	beta		
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 :	With addition of sheep blood gives improved haemolytic reactions of organisms.				
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
B209	40.50g/l	12.345L	7.3 ± 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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