

TECHNICAL SHEET

B755	SULPHA SENSITIVITY TEST AGAR				
Formula					
Ingredients :		gms/lit.			
Beef extract		10.00			
Casein enzymic hydrolysate		10.00			
Disodium phosphate		0.66			
Monopotassium phosphate		0.30			
Agar		15.00			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 36 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. Mix well and pour in sterile Petri plates.					
Principle :					
Casein enzymic hydrolysate and beef extract provide nitrogenous compounds, carbon, sulphur and other essential nutrients. Disodium phosphate and monopotassium phosphate buffer the medium well. A standardized suspension of the organisms is swabbed over the entire surface of the medium. Paper discs impregnated with certain amount of specific antibiotics are placed on the surface of the medium. The plates are incubated and the zones of inhibition around each disc are measured.					
QC Tests - (I) Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.3 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		clear gel			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs. at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH	ZONES OF INHIBITION WITH SULFOSOMIDINE	ZONES OF INHIBITION WITH SULPHAMETHOXY PYRIDIAZINE	ZONES OF INHIBITION WITH SULPHADIAZINE	
Escherichia coli (25922)	luxuriant	SO (300 MCG) - 22MM	ST (300 MCG) - 20MM	SZ (100 MCG) - 20MM	
Staphylococcus aureus (25923)	luxuriant	SO (300 mcg) - 26 mm	ST (300 mcg) - 26mm	SZ (100 mcg) - 28mm	
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 to test the susceptibility of common pathogens to sulphonamides				
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
B755	36.0 g/l	13.88 L	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 BIOMARK LABORATORIES publications.

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