

TECHNICAL SHEET

B713	SALINE AGAR					
Formula						
Ingredients :				gms/lit.		
Sodium chloride				8.50		
Agar				15.00		
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 23.5 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. After cooling to 50°C, add blood to give final concentration of 5 % v/v. Mix well and pour into sterile Petri plates.						
Principle :						
Saline Agar Base with blood is used to measure the haemolytic activity of alpha toxin. Sodium chloride provides essential ions. Red blood cells are added in the medium to examine haemolytic reactions, which indirectly helps in detection of alpha toxin.						
QC Tests – (I) Dehydrated Medium						
Colour :		White to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Basal Medium yields light yellow coloured, clear gel. On addition of red blood cells, red coloured				
Clarity (post autoclaving/heating) :		opaque gel				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours with added red blood cells.						
MICROORGANISM (ATCC)		HAEMOLYSIS				
Clostridium perfringens (12924)		positive reaction				
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 for the detection of alpha-toxin in Clostridium perfringens .				
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
B713		23.50 g/l	21.27 L	7.0 ± 0.2	Blood to give final concentration of 5 % v/v	121°C/15 minutes.

Disclaimer:

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