

TECHNICAL SHEET

B618	MICROBIAL CONTENT TEST AGAR (TRYPTONE SOYA AGAR WITH LECITHIN AND TWEEN 80)				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		15.00			
Papaic digest of soyabean meal		5.00			
Sodium chloride		5.00			
Lecithin		0.70			
Polysorbate 80 (Tween 80)		5.00			
Agar		15.00			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 45.7 gms in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 12 to 15 lbs pressure (118-121°C) for 15 minutes.					
Principle :					
Casein enzymic hydrolysate and papaic digest of soyabean meal provide nitrogenous compound and other nutrients essential for microbial replication. Lecithin and polysorbate 80 are neutralizers reported inactivate residual disinfectants from where the sample is collected. Lecithin neutralizes quaternary ammonium compounds and polysorbate 80 neutralizes phenolic disinfectants, hexachlorophene, formalin and with lecithin ethanol.					
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) :		Light to medium amber			
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		COLOUR OF COLONY	
Staphylococcus aureus (25923)		Luxuriant		Yellow to gold	
Pseudomonas aeruginosa (27853)		Luxuriant		Yellow green	
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 :	For determining efficiency of sanitization of containers, equipment surfaces, water miscible cosmetics etc.				
Storage :	Dehydrated medium and prepared medium– Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B618	45.7g/l	10.94L	7.3 ± 0.2	NIL	(118-121°C) for 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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