B018	TRYPTONE SOYA AGAR (CASEIN SOYABEAN DIGEST AGAR)
Formula	
Ingredients:	**gms/lit.**
Pancreatic digest of casein	15.00
Papaic digest of soyabean meal	5.00
Sodium chloride	5.00
Agar	15.00
Final pH (at 25°C) :	7.3 ± 0.2

Directions :

Suspend 40.0 gms in 1000ml. distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired aseptically add 5% v/v defibrinated blood in previously cooled medium at 45 - 50°C. Mix well before pouring.

Principle :

The combination of tryptone and soya peptone makes this media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance. Agar is the solidifying agent.

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to light yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating):	7.3 ± 0.2
	Colour (post autoclaving/heating) :	Light amber to light yellow
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent.After addition of 5-7%w/v sterile defibrinated blood : Cherry red
(III)Q.C. Test Microbiological		
	Cultural characteristics was observed after an incubation for Bacterial at 30-35°C 18-24 hours and for Fungal at 30-35°C <=5days.	

	MICROORGANISM (ATCC)	GROWTH	GROWTH W/ BLOOD	HAEMOLYSIS
	Growth at 30-35°C for < = 3 days			
	Bacillus subtilis (6633)	luxuriant	luxuriant	none
	Staphylococcus aureus (25923)	luxuriant	luxuriant	beta
	Staphylococcus aureus (6538)	luxuriant	luxuriant	beta
	Escherichia coli (25922)	luxuriant	luxuriant	none
	Escherichia coli (8739)	luxuriant	luxuriant	none
	Escherichia coli(NCTC9002)	luxuriant	luxuriant	none
	Pseudomonas aeruginosa (27853)	luxuriant	Luxuriant	-
	Pseudomonas aeruginosa (9027)	luxuriant	luxuriant	-
	Salmonella Abony (6017)	luxuriant	luxuriant	-
	Micrococcus luteus (9341)	luxuriant	luxuriant	-
	Salmonella Typhimurium (14028)	luxuriant	luxuriant	-
	Streptococcus pneumonia (6305)	luxuriant	luxuriant	-
	Clostridium sporogenes (19404)	luxuriant	luxuriant	-
	Growth at 20-25°C for < = 5 days			
	Aspergillus brasiliensis (16404)	luxuriant	luxuriant	
	Candida albicans (2091)	luxuriant	luxuriant	
	Candida albicans (10231)	luxuriant	luxuriant	

Refer disclaimer Overleaf

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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 a general purpose medium used for cultivation of a wide variety of microorganisms and for sterility testing in pharmaceutical procedures.				
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
B018	40.0 g/l	12.5 L	7.3 $\pm$ 0.2	5% v/v defibrinated blood	121^0C / 15 minutes