

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B040	TRYPTONE SOYA BROTH					
Formula						
Ingredients :		gms/lit.				
Pancreatic digest of casein		17.00				
Papaic digest of soyabean meal		3.00				
Sodium chloride		5.00				
Dipotassium phosphate		2.50				
Dextrose		2.50				
Final pH (at 25°C) : 7.3 ± 0.2						
Directions :						
Suspend 30 gms. in 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
The combination of pancreatic digest of casein and papaic digest of soyabean meal makes the medium nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Dextrose and dibasic potassium phosphate serve as the carbohydrate source and the buffer, respectively in the medium. Sodium chloride maintains the osmotic balance of the medium.						
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 yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 48 hours at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25929)		Luxuriant				
Escherichia coli (8739)		Luxuriant				
Escherichia coli (NTCC9002)		Luxuriant				
Salmonella abony (6017)		Luxuriant				
Salmonella typhimurium (14028)		Luxuriant				
Staphylococcus aureus (6538)		Luxuriant				
Pseudomonas aeruginosa (27853)		Luxuriant				
Pseudomonas aeruginosa (9027)		Luxuriant				
Candida albicans (10231)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Bacillus subtilis (6633)		Luxuriant				
Staphylococcus aureus (6538)		Luxuriant				
Micrococcus luteus (9341)		Luxuriant				
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 :		A general purpose medium used for cultivation of a wide variety of microorganisms and sterility testing of molds and lower bacteria.				
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
B040		30g/l	16.66L	7.3 ± 0.2	NIL	121°C /15 min.