

B040	SOYABEAN CASEIN DIGEST MEDIUM (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 (25922)		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
B040		30g/l	16.66L	7.3 ± 0.2	NIL
					Sterilization
					121°C /15 min.

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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