BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

BH039	**SOYABEAN CASEIN DIGEST 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 gms. In 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes i.e. validated cycle. Cool to 45-50°C. Mix well and pour into sterile Petri plates.

Principle :

The combination of Casein enzymic hydrolysate and papaic digest of soyabean meal makes these media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Dextrose and dipotassium phosphate serves as the carbohydrate source and the buffer in the medium. Sodium chloride maintains osmotic balance in both the media. Agar is the solidifying agent

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) :	a) Cream to light yellow b) After addition of blood : Cherry red
	Clarity (post autoclaving/heating) :	a) Clear slightly opalescent b) Opaque
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after 18 - 48 hrs. at 35 – 37°C.	
	MICROORGANISM (ATCC)	**growth w/ blood**
	Candida albicans 10231	Good - Luxuriant
	Staphylococcus aureus 25923	Good - Luxuriant
	Staphylococcus aureus ATCC 6538	Good - Luxuriant
	Bacillus subtilis 6633	Good - Luxuriant
	Escherichia coli ATCC 25922	Good - Luxuriant
	Escherichia coli ATCC 8739	Good - Luxuriant
	Escherichia coli NCTC 9002	Good - Luxuriant
	Pseudomonas aeruginosa ATCC 27853	Good - Luxuriant
	Pseudomonas aeruginosa ATCC 9027	Good - Luxuriant
	Salmonella Abony NCTC 6017	Good - Luxuriant
	Micrococcus luteus ATCC 9341	Good - Luxuriant
	Streptococcus pneumoniae ATCC 6305	Good - Luxuriant
	Salmonella Typhimurium	Good - Luxuriant
	Aspergillus niger ATCC 16404	Good - Luxuriant
Precautions :	1. For Laboratory Use.	
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.	
Limitations :	Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.	
Use :	Recommended as a general purpose medium used for cultivation of a wide variety of microorganisms from pharmaceutical products in accordance with harmonized method of USP/EP/BP/JP/IP	

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Storage :	Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C.				
Packing :	500 gm. Bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
BH039	40.0 g/l	12.5 L	7.3 $\pm$ 0.2	Nil	121^0C/15min