BH039	SOYABEAN CASEIN DIGEST AGAR (CASEIN-SOYABEAN DIGEST AGAR)
Formula	
Ingredients:	**gms/lit.**
Pancreatic digest of Casein	15.00
Papaic digest of soyabean	5.00
Sodium chloride	5.00
Agar	15.00
Final pH (at 25°C) : 7.3 ± 0.2	
Directions :	
Suspend 40 grams in 1000 ml purified/ distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes or as per validated cycle. Cool to 45-50°C. Mix well and pour into sterile Petri plates.	
Principle :	
The combination of Pancreatic digest of Casein and papaic digest of soyabean makes these media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Natural sugars of soy enhance growth of microorganism. Sodium chloride maintains the osmotic balance in the medium. 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) :	Cream to light yellow
Clarity (post autoclaving/heating) :	Clear to slightly opalescent
Growth Promotion Test	Growth Promotion was carried out in accordance with the harmonized method of USP/EP/BP/JP, and growth was observed after an incubation at 30-35°C for 18-24 hours. Recovery rate is considered 100% for bacteria growth on Blood Agar and fungus growth on Sabouraud Dextrose Agar.
Growth promoting properties	Growth of microorganism comparable to that previously obtained with previously tested and approved lot of medium occurs at the specified temperature for not more than the shortest period of time specified inoculating <=100 cfu (at 30-35°C for 18 hours).

(III) Cultural Response

MICROORGANISM (ATCC)	Inoculum (CFU)	Observed Lot value (CFU)	Recovery	Incubation period
Growth promoting				
Bacillus subtilis (6633)	50 -100	35 -100	>=70 %	18 -24 hrs
Staphylococcus aureus (25923)	50 -100	35 -100	>=70 %	18 -24 hrs
Staphylococcus aureus (6538)	50 -100	35 -100	>=70 %	18 -24 hrs
Escherichia coli (25922)	50 -100	35 -100	>=70 %	18 -24 hrs
Escherichia coli (8739)	50 -100	35 -100	>=70 %	18 -24 hrs
Escherichia coli (NCTC9002)	50 -100	35 -100	>=70 %	18 -24 hrs
Pseudomonas aeruginosa (27853)	50 -100	35 -100	>=70 %	18 -24 hrs
Pseudomonas aeruginosa (9027)	50 -100	35 -100	>=70 %	18 -24 hrs
Salmonella Abony (NCTC6017)	50 -100	35 -100	>=70 %	18 -24 hrs
Micrococcus luteus (9341)	50 -100	35 -100	>=70 %	18 -24 hrs

	Streptococcus pneumoniae (6305)	50 -100	35 -100	>=70 %	18 -24 hrs
	Salmonella Typhimurium (14028)	50 -100	35 -100	>=70 %	18 -24 hrs
	Candida albicans (10231)	50 -100	35 -100	>=70 %	<=5 d
	Candida albicans (2091)	50 -100	35 -100	>=70 %	<=5 d
	Aspergillus niger (16404)	50 -100	25 -70	50-70 %	<=5 d

Precautions :	1. For Laboratory Use.
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.
Limitations :	1. Biochemical characterization is necessary to be performed on colonies from pure cultures for further identification.
	2. This medium is general purpose medium and may not support the growth of fastidious organisms.
Use:	A general-purpose medium used for cultivation of a wide variety of microorganisms from pharmaceutical products in accordance to microbial limit testing by harmonized system of USP/EP/BP/JP/IP (Medium 2).
Storage:	Dehydrated medium- Between 10-30°C Prepared medium– Between 20 to 30°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