

**BIOMARK Laboratories-INDIA**

[www.biomarklabs.com](http://www.biomarklabs.com)

**TECHNICAL SHEET**

<b>BH1261</b>	<b>TRYPTONE SOYA BROTH(SOYABEAN CASEIN DIGEST BROTH)</b>		
<b>Formula</b>			
<b>Ingredients:</b>		<b>gms/lit.</b>	
Tryptone		17.00	
Soya peptone		3.00	
Sodium chloride		5.00	
Dipotassium hydrogen phosphate		2.50	
Glucose monohydrate		2.50	
Final pH (at 25°C) : 7.3 ± 0.2			
<b>Directions :</b>			
Suspend 29.77 grams (the equivalent weight of dehydrated medium per liter) in 1000 ml purified/ distilled water. Heat if necessary, to dissolve the medium completely. Dispense in tubes or flasks as desired. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes or as per validated cycle.			
<b>Principle:</b>			
The combination of tryptone and soya peptone makes this medium nutritious by providing nitrogenous, carbonaceous compounds, long chain amino acids, vitamins and other minerals for the growth of microorganisms. Natural sugars in soybean promote growth of fastidious organism. Glucose monohydrate is the fermentable source of carbon and dipotassium hydrogen phosphate serves as the buffer in the medium. Sodium chloride maintains the osmotic balance of the medium.			
<b>QC Tests – (I)Dehydrated Medium</b>			
Colour :		Cream to light yellow	
Appearance :		Homogeneous Free Flowing powder	
<b>(II)Rehydrated medium</b>			
pH (post autoclaving/heating) :		7.3 ± 0.2	
Colour (post autoclaving/heating) :		Light yellow to light amber	
Clarity (post autoclaving/heating) :		Clear	
<b>(III)Q.C. Test Microbiological</b>			
Cultural characteristics observed after 18 – 24 hrs. at 30-35°C.			
MICROORGANISM (ATCC )	Growth		
Candida albicans (10231 )	Luxuriant		
Candida albicans (2091)	Luxuriant		
Salmonella Abony (NCTC 6017)	Luxuriant		
Streptococcus pneumoniae (6305)	Luxuriant		
Escherichia coli (NCTC9002)	Luxuriant		
Escherichia coli (25922)	Luxuriant		
Escherichia coli (8739)	Luxuriant		
Pseudomonas aeruginosa (27853)	Luxuriant		
Pseudomonas aeruginosa (9027)	Luxuriant		
Bacillus subtilis (6633)	Luxuriant		
Micrococcus luteus (9341)	Luxuriant		
Salmonella Typhimurium (14028)	Luxuriant		
Staphylococcus aureus (25923)	Luxuriant		
Staphylococcus aureus (6538)	Luxuriant		
Bacillus subtilis (6633)	Luxuriant		
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.		
<b>Limitations :</b>	1. This medium is general purpose medium and may not support the growth of fastidious organisms. 2. Biochemical characterization is necessary to be performed on colonies from pure cultures for further identification.		
	Page 01 of 02		

**BIOMARK Laboratories-INDIA**[www.biomarklabs.com](http://www.biomarklabs.com)**TECHNICAL SHEET**

<b>Use:</b>	A general-purpose medium used for cultivation of a wide variety of microorganisms and sterility testing of molds and lower bacteria from pharmaceutical products in accordance to microbial limit testing by harmonized system of USP/BP/EP/JP.				
<b>Storage:</b>	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing:</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>BH1261</b>	29.77 g/l	16.79 L	7.3 ± 0.2	Nil	121°C/ 15 min.