

TECHNICAL SHEET

B1185	HOTTINGER BROTH				
Formula					
Ingredients :		gms/lit.			
Fish peptone		20.00			
Yeast extract		2.00			
Tryptophan		1.00			
Final pH (at 25°C): 7.4± 0.2					
Directions :					
Suspend 23.0 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle:					
Fish peptone and yeast extract provides the nitrogenous source and essential nutrients for growth of organisms. The production of indole from tryptophan is a diagnostic test used for identifying enteric bacteria. After incubation, indole can be identified by a red dye complex reaction with Kovac's Reagent (BA068).					
QC Tests – (I) Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.4 ± 0.2			
	Colour (post autoclaving/heating) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear solution			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours					
	MICROORGANISM (ATCC)	GROWTH	INDOLE PRODUCTION		
	Escherichia coli (25922)	Good	Positive reaction, red ring at the interface of the medium		
	Pseudomonas aeruginosa (27853)	Good	Negative reaction, no colour development/ cloudy ring		
	Staphylococcus aureus (25923)	Good	Negative reaction, no colour development/ cloudy ring		
	Streptococcus pyogenes (19615)	Good	Negative reaction, no colour development/ cloudy ring		
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 :	It is used for the cultivation of less fastidious microorganisms and determination of indole in accordance with USSR State Pharmacopoeia.				
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
B1185	23.0g/l	21.73 L	7.4 ± 0.2	Nil	121°C / 15 minutes

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 BIOMARK LABORATORIES publications.

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