

TECHNICAL SHEET

B199	H BROTH				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		5.00			
Peptic digest of animal tissue		5.00			
Meat extract B#		3.00			
Dextrose		1.00			
Dipotassium phosphate		2.50			
Sodium chloride		5.00			
Final pH (at 25°C): 7.2 ± 0.2					
Directions :					
Suspend 21.5 grams in 1000 ml distilled water. Heat if necessary to ensure complete solution. Dispense in 4 ml amounts in 13 x 100 mm test tubes and sterilize by autoclaving at 115°C for 15 minutes.					
Principle :					
Peptic digest of animal tissue, casein enzymic hydrolysate and meat extract B in the medium provide nitrogen, vitamins and minerals necessary to support bacterial growth. Dextrose is the carbon and energy source. Dipotassium phosphate provides buffering to the medium. Sodium chloride provides essential ions and maintains the osmotic equilibrium					
QC Tests - (I) Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours					
MICROORGANISM (ATCC)		GROWTH			
Salmonella Typhi (6539)		Luxuriant			
Salmonella Typhimurium (14028)		Luxuriant			
Salmonella Enteritidis(13076)		Luxuriant			
Salmonella Paratyphi A (9150)		Luxuriant			
Salmonella Paratyphi B(8759)		Luxuriant			
Salmonella Arizonae		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 :	It is recommended for the preparation of H antigen used in the identification and differentiation of Salmonella species				
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
B199	21.5 g/l	23.25 L	7.2 ± 0.2		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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