BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B739	**STANDARD NUTRIENT BROTH (H.S.VACCINE MEDIUM)**
Formula	
Ingredients:	**gms/lit.**
Peptone	10.00
Peptic digest of lean meat infusion	10.00
Sodium chloride	5.00
Final pH (at 25°C):	7.6 ± 0.2
Directions :	
Suspend 25 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.	
Principle :	
Peptone is the principal source of organic nitrogen while Peptic digest of lean meat infusion provides carbohydrates, vitamins, organic nitrogen compounds and salts. Sodium chloride maintains osmolality of the medium.	

QC Tests –(I)Dehydrated Medium	
Colour:	Cream to light yellow
Appearance:	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.6 ± 0.2
Colour (post autoclaving/heating):	Amber
Clarity (post autoclaving/heating):	Clear

(III)Q.C. Test Microbiological		
Cultural characteristics observed after 24 - 48 hrs.at 35-37°C.		
MICROORGANISM (ATCC)	Inoculum (CFU)	GROWTH
Escherichia coli (25922)	50-100	Good - Luxuriant
Staphylococcus aureus (25923)	50-100	Good - Luxuriant
Staphylococcus epidermidis 12228	50-100	Good - Luxuriant
Streptococcus pyogenes 19615	50-100	Good - Luxuriant
Salmonella Typhi 6539	50-100	Good - Luxuriant
Enterobacter aerogenes 13048	50-100	Good - 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 :	Used for the large scale cultivation of bacteria for production of vaccine preparations.
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
B739	25g/l	20L	7.6 ± 0.2	NIL	121^0C / 15 minutes