

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B777	THIOGLYCOLLATE Broth w/LIVER EXTRACT(B.Q.VACCINE MEDIUM)				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		10.00			
Liver tissues, infusion from		250.00			
Muscle tissues, infusion from		250.00			
Sodium chloride		5.00			
Di-Potassium phosphate		4.00			
Sodium thioglycollate		1.00			
Final pH (at 25°C) :		8.2 ± 0.2			
Directions :					
Suspend 30 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. Cool to 50°C and aseptically add 0.5% sterile glucose solution. Mix thoroughly and then dispense as desired.					
Principle :					
Peptic digest of animal tissue supplies the nitrogenous compounds and growth factors. Liver tissues and muscle tissues provide trace minerals, growth factors and vitamins for the growth of wide variety of organisms. Sodium thioglycollate acts as a reducing agent, which lowers the oxidation-reduction potential of the medium thereby enabling the obligate anaerobes to multiply. Added glucose, act as the source of energy. Dipotassium phosphate and sodium chloride help in maintaining buffering action and isotonic conditions respectively in the medium					
QC Tests - (I)Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		8.2 ± 0.2			
Colour (post autoclaving/heating) :		Amber			
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent solution			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18-48 hrs.at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Clostridium perfringens (12924)		Good-luxuriant			
Clostridium sporogenes (11437)		Good-luxuriant			
Streptococcus pyogenes (19615)		Good-luxuriant			
Bacillus subtilis (6633)		Good-luxuriant			
Micrococcus luteus (10240)		Good-luxuriant			
Neisseria meningitidis (13090)		Good-luxuriant			
Bacteroides vulgatus (8482)		Fair-good			
* These cultures may be incubated at 25-30°C for 2-7 days.					
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 :					
For the cultivation of anaerobic organisms on large scale for vaccine production.					
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
B777	30g/l	16.66L	8.2 ± 0.2	0.5% sterile glucose solution	121°C /15 min.

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