

B777	B.Q. VACCINE MEDIUM (THIOGLYCOLLATE Broth W/LIVER EXTRACT)					
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				
Dipotassium phosphate		4.00				
Sodium thioglycolate		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				
Neisseria meningitidis (13090)		Good-luxuriant				
Bacteroides vulgatus (8482)		Fair-good				
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 :						
Recommended for 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.

Refer disclaimer Overleaf

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 BIOMARKLABORATORIES publications.

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