

TECHNICAL SHEET

B1048	GBS MEDIUM BASE					
Formula						
Ingredients:		gms/lit.				
Proteose peptone		23.00				
Sodium dihydrogen phosphate		1.50				
Disodium hydrogen phosphate		5.75				
Starch, soluble		80.00				
Final pH (at 25°C): 7.5± 0.2						
Directions:						
Suspend 55.12 grams in 475 ml distilled water. Dissolve completely by gently heating to boiling for 15-20 minutes. Sterilize by autoclaving at 15 lbs (121°C) for 15 minutes. Cool to 60°C and aseptically add 25 ml sterile inactivated Horse serum (BF021) and sterile rehydrated contents of 1 vial of GBS Supplement (BF057). Mix well and dispense into sterile test tubes. For the formation of gel, tubes are to be refrigerated (2-8°C) over-night before use.						
Principle:						
Proteose peptone provides the necessary nutrients for the growth of Group B Streptococci. The phosphate salts buffer the medium. The antibiotic supplement (BF057) makes the medium selective for Group B Streptococci, while the horse serum enriches the media.						
QC Tests - (I) Dehydrated Medium						
Colour:		Cream to beige				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.5± 0.2				
Colour (post autoclaving/heating):		Light amber				
Clarity (post autoclaving/heating):		clear to slightly opalescent solution without any precipitate in tubes				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24-48hours at 35-37°C with added Horse serum (BF021) and GBS Supplement (BF057).						
MICROORGANISM (ATCC)		GROWTH		PIGMENTATION		
Bacteroides fragilis (25285)		Fair to good		No pigmentation		
Streptococcus agalactiae (13813)		Good-luxuriant		Orange/red		
Enterococcus faecalis (29212)		Good-luxuriant		No pigmentation		
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 isolation and rapid detection of Group B Streptococci (GBS) in clinical specimens.				
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
B1048		110.25g/l	4.54L	7.5± 0.2	sterile inactivated Horse serum (BF021)& GBS Supplement (BF057).	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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