

TECHNICAL SHEET

B1026		ENRICHED THIOGLYCOLLATE BROTH			
Formula					
Ingredients :		gms/lit.			
Casein enzymichydrolysate		17.00			
Papaic digest of soyabean meal 3.00					
Dextrose		6.00			
Sodium chloride		2.50			
Sodium thioglycollate 0.50					
L-Cystine		0.25			
Sodium sulphite		0.10			
Hemin		0.005			
Vitamin K1		0.001			
Agar		0.70			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 30 gms. in 1000 ml distilled water. Boil to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 12 –15 lbs pressure (118 – 121°C) for 15 minutes. Cool and dry under 85% N ₂ , 10% H ₂ and 5% CO ₂ atmosphere.					
Principle :					
Casein enzymichydrolysate, papaic digest of soyabean meal supports growth of wide variety of fastidious microorganisms. Sodium thioglycollate lowers the oxidation – reduction potential for anaerobic growth and also neutralizes the bacteriostatic effect of mercurial compounds. Most organisms show earlier and more vigorous growth in presence of dextrose, hemin and vitamin K1. Hemin is the source of X-factor which stimulates the growth of many microorganisms.					
QC Tests – (I)Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 – 48 hrs. at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Bacteroidesvulgatus (8482)		Luxuriant			
Clostridium sporogenes (11437)		Luxuriant			
Neisseria meningitidis (13090)		Luxuriant			
Streptococcus pyogenes (19615)		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 :		For isolation, cultivation and identification of a wide variety of obligate anaerobic bacteria.			
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
B1026		30g/l	16.66L	7.0 ± 0.2	Nil
					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 BIOMARKLABORATORIES publications.

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