

TECHNICAL SHEET

B058	TRYPTOSE PHOSPHATE BROTH					
Formula						
Ingredients :		gms/lit.				
Tryptose		20.00				
Dextrose		2.00				
Sodium chloride		5.00				
Disodium phosphate		2.50				
Final pH (at 25°C) : 7.3 ± 0.2						
Directions :						
Suspend 29.5 grams in 1000 ml distilled water. Add 0.1% agar, if desired. Heat if necessary. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
This is as per APHA for cultivation of fastidious aerobic bacteria especially Streptococcus. spp., Listeria spp., and pathogenic Neisseria spp. This medium with addition of agar and sodium azide is used for isolation of pathogenic Streptococci, Neisseria and other fastidious microorganisms from blood, dairy products and clinical specimens. The inclusion of tryptose as nitrogen sources makes this medium highly nutritious. Dextrose serves as the source of fermentable carbohydrate. Sodium chloride maintains osmotic equilibrium. Phosphate salt helps in buffering the medium. The addition of 0.1-0.2 % agar facilitates anaerobic growth and aids in dispersion of reducing substances and carbon dioxide formed in the environment.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.3 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs at 35 - 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Neisseria meningitidis (13090)		Good-luxuriant				
Staphylococcus aureus (25923)		Good-luxuriant				
Streptococcus pneumoniae (6303)		Good-luxuriant				
Streptococcus pyogenes (19615)		Good-luxuriant				
Staphylococcus epidermidis (12228)		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 :		For cultivation of fastidious bacteria and as an adjuvant to tissue culture media.				
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
B058		29.5g/l	16.949L	7.3 ± 0.2	NIL	121°C /15 min.

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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