

TECHNICAL SHEET

B059	TRYPTOSE SULPHITE NEOMYCIN AGAR				
Formula					
Ingredients :		gms/lit.			
Tryptose		15.00			
Yeast extract		10.00			
Sodium sulphite		1.00			
Ferric citrate		0.50			
Neomycin sulphate		0.05			
Polymixin B sulphate		0.02			
Agar		13.50			
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 40.07 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in screw capped containers. Autoclave with caps loose at 12 lbs pressure (118°C) for 12 minutes. Close the caps while the medium is still hot. 5ml. of sterile buffered thioglycollate solution may be added to every 200 ml. of medium if desired. The buffered aqueous thioglycollate solution contains 35 ml. buffer mixture (5.7% dipotassium phosphate and 28% sodium carbonate) and 15 ml. sodium thioglycollate solution (13.3%).					
Principle :					
Tryptose and yeast extract provide nitrogenous compounds, vitamin B complex and other growth nutrients. The two antibiotics viz. Neomycin and Polymyxin B sulphate inhibit gram – negative enteric bacilli. Neomycin is also lethal for Clostridium bifermentans. The colonies of Clostridium perfringens are black due to the ferric sulphide formed after the sulphite reduction. The high incubation temperature of 46°C renders the medium specific for Clostridium perfringens.					
QC Tests – (I) Dehydrated Medium					
Colour :		Cream to Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Medium amber			
Clarity (post autoclaving/heating) :		Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 48 hrs at 46°C, when incubated anaerobically.					
MICROORGANISM (ATCC)		GROWTH	COLOUR OF COLONY		
Clostridium perfringens (12924)		Good to luxuriant	Black		
Escherichia coli (25922)		Inhibited	-		
Staphylococcus aureus (25923)		Inhibited	-		
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 selective isolation and enumeration of Clostridium perfringens in foods or other phenol red as per AOAC.				
Storage :	Dehydrated medium and prepared medium– Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B059	40g/l	12.5L	7.2 ± 0.2	buffered thioglycollate solution	118°C /12 min.

Refer disclaimer Overleaf

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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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