B773	**TERGITOL – 7 BROTH**
Formula	
Ingredients :	**gms/lit.**
Proteose peptone	5.00
Yeast extract	3.00
Lactose	10.00
Sodium heptadecyl sulphate	0.10
Bromo thymol blue	0.025
Final pH (at 25°C) :	6.9 ± 0.2

Directions :

Suspend 18.13 gms.in 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C.Aseptically add 3 ml. of 1% 2, 3, 5, Triphenyl Tetrazolium Chloride (TTC) solution, if desired.

Principle :

Proteose peptone provides the carbon and nitrogen sources required for good growth of a wide variety of organisms. Vitamins and cofactors required for growth, as well as additional sources of nitrogen and carbon, are provided by yeast extract.

QC Tests – (I)Dehydrated Medium		
	Colour :	Light to medium yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	6.9 ± 0.2
	Colour (post autoclaving/heating) :	Green
	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	COLOUR OF MEDIUM
	Enterobacter aerogenes (13048)	Luxuriant	yellow
	Escherichia coli (25922)	Luxuriant	yellow
	Salmonella typhimurium (14028)	Luxuriant	Blue
	Shigella flexneri (12022)	Luxuriant	Blue
	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.
	2. Since the medium with TTC permits growth of coliform organisms, this fact must be taken into consideration in the isolation of Candida from specimens.
	3. Pour plates do not give satisfactory results.
	4. Allow plates to dry with lids slightly ajar for 1-2 hours after dispensing.
	5. Reduction of TTC is an irreversible reaction that produces an insoluble formazan compound.
Use :	For detection and enumeration of coliforms.
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
B773	18.13 g/l	27.578L	6.9 ± 0.2	1% 2,3,5, Triphenyl Tetrazolium Chloride (TTC) solution	121^0C /15 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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