B948	**BREWER THIOGLYCOLLATE MEDIUM, MODIFIED**
Formula	
Ingredients :	**gms/lit.**
Casein enzymic hydrolysate	17.00
Papaic digest of soyabean meal	3.00
Dextrose	10.00
Sodium chloride	5.00
Dipotassium phosphate	2.00
Sodium thioglycollate	1.00
Methylene blue	0.002
Agar	0.50
Final pH (at 25°C) : 7.2 ± 0.2	

Directions :

Suspend 38.5 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense in tubes or in suitable containers as desired and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.

Principle :

Sodium thioglycollate helps to create anaerobic condition as well as neutralizes toxicity of mercurial compounds if present in the inoculum of the test material. Very small amount of agar present maintains anaerobic conditions at the bottom of the broth. Methylene blue indicates oxygen content of the medium by exhibiting bluish – green colour to the medium shows bluish green colour to the medium in presence of oxygen.

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to light beige
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.2 ± 0.2
	Colour (post autoclaving/heating) :	Light amber to yellow
	Clarity (post autoclaving/heating) :	Clear to very slightly opalescent
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after 18 –48 hrs at 35-37°C.	
	MICROORGANISM (ATCC)	GROWTH
	Bacteroides melaninogenicus (25848)	Luxuriant
	Clostridium sporogenes (11437)	Luxuriant
	Streptococcus mitis (9895)	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 :	**B948:** For isolation of aerobic and anaerobic organisms and for testing sterility of biological products.
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
B948	38.5g/l	12.987L	7.2 ± 0.2	NIL	121^0C / 15 minutes