

THIOGLYCOLLATE BROTH (5 ML)

INTENDED USE:

Thioglycollate broth is a liquid medium for the cultivation of anaerobic organisms in the performance of sterility tests.

PRINCIPLE AND INTERPRETATION:

Thioglycollate broth is a multipurpose, enriched, differential medium used primarily to determine the oxygen requirements of microorganisms. Sodium thioglycolate in the medium consumes oxygen and permits the growth of obligate anaerobes. This, combined with the diffusion of oxygen from the top of the broth, produces a range of oxygen concentrations in the medium along its depth. The oxygen concentration at a given level is indicated by a redox-sensitive dye such as resazurine that turns pink in the presence of oxygen.

COMPOSITION:

Ingredients	Gr/Liter
L-cystine	0,5 gr
Sodium chloride	2,5 gr
Glucose	5,5 gr
Yeast extract	5 gr
Pancreatic digest of casein	15 gr
Sodium thioglycollate	0,5 gr

***Formula adjusted, standardized to suit performance parameters

pH: 7,1 ± 0,2

PRECAUTIONS:

It is for general use. For professional use. Procedures for using aseptic procedures are applied. For disposal of the used product, see the DISPOSAL OF USED PLANT.

TEST PROCEDURE:

Incubation at 37 °C during 48-72 h.

QUALITY CONTROL:

1.Sterility Control:

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,1 ± 0,2

Apperance: Light amber

3.Microbiological Control: Incubation at 37 °C during 18-24 h.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Staphylococcus aureus ATCC 25923	10-100	Good	Good
Pseudomonas aeruginosa ATCC 27853	10-100	Good	Good
Candida albicans ATCC 10231	10-100	Good	Good

STORAGE CONDITIONS AND SHELF LIFE:

Store the medium at 2- 12°C. Use before expiry date on the label.Do not use beyond stated expiry date.

DISPOSAL:

Incubated medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected medium should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

PACKAGING:

Katalog Number: 01016

Content / Packaging: 50 tube/box

REFERENCES:

1. N.I.H. (1955) Memorandum: 'Culture media for sterility tests' 4th Revision.
2. US Pharmacopoeia XXI (1985) 'Sterility tests'.

	Aseptic Sterile		Use by		Look at user manual
	Batch Code		Temperature Limitation		Manufacturer
	Catalogue Number		Do not reuse		CE Mark
	Negative Controls		Contains sufficient for <n> tests		
	Positive Controls				