

THIOGLYCOLLATE BROTH (10 ML)

INTENDED USE:

Thioglycolate broth medium is recommended to isolate strict anaerobes should an anaerobic infection be suspected.

PRINCIPLE AND INTERPRETATION:

Thioglycolate 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:

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

TEST PROCEDURE:

Incubation at 35±2 °C during 18-24 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 35±2 °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: 01053

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



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature
Limitation



Do not reuse



Contains sufficient
for <n> tests



Look at user manual



Manufacturer