

# THIOGLYCOLLATE BROTH (1 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:**

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 37°C and 48 hours at 20-25°C: NO GROWTH

**2.Physical/Chemical Control**

pH: 7,1 ± 0,2

**Appearance:** Straw coloured solution

**3.Microbiological Control:** Incubation at 37 °C during 48-72 h.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Candida albicans ATCC 10231	10-100	Growth	Flocculent growth
Clostridium sporogenes ATCC 19404	10-100	Growth	Turbid growth and or colonies
Peptostreptococcus anaerobius ATCC 27337	100-1000	No growth	Turbid growth and or colonies

**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:** 01068

**Content / Packaging:** 50 tube/box

RTA.KK.393 Revision Date/Revision Number:-/0 Issue Date: 15.03.2017

## REFERENCES:

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

**STERILE A**

Aseptic Sterile

**LOT**

Batch Code

**REF**

Catalogue Number

**CONTROL -**

Negative Controls

**CONTROL +**

Positive Controls



Use by



Temperature  
Limitation



Do not reuse



Contains sufficient  
for <n> tests



Look at user manual



Manufacturer