

### Specification

Medium used for the cultivation of anaerobic pathogenic microorganisms in clinical specimens and in sterility test of viscous or cloudy products.

### Presentation

10 Prepared bottle  
Bottle 125 ml  
with: 100 ± 3 ml

#### Packaging Details

1 box with 10 bottles 125 ml. Injectable cap: Plastic screw inner cap + red protective external cap. The use of syringes needles with a diameter greater than 0.8 mm is not recommended.

#### Shelf Life

15 months

#### Storage

2-25 °C

### Composition

Composition (g/l):

Peptone from casein.....	15.0
Yeast extract.....	5.0
Dextrose.....	5.5
Sodium chloride.....	2.5
Sodium thioglycolate.....	0.5
L-Cystine.....	0.5

### Description /Technique

Thioglycollate Broth also know as Alternative Thioglycollate Medium was formulated and recommended by the USP, NF, NIH and FDA. It is used for sterility testing of biological products or samples of turbid appearance where Fluid Thioglycollate Medium is not suitable because of its viscosity. The formula of Thioglycollate Broth is the same as Thioglycollate USP Fluid Medium without resazurin and agar.

#### Technique

For the inoculation of bottles, follow the standard laboratory method or the applicable norms, (Stab inoculation, loop inoculation, dilution banks , etc ...)

The methodology is according to the standard methods describe in the Pharmacopoeia.

Inoculate the culture medium with the sample material taking care that the sample reaches the bottom of the container.

Incubate for at least 14 days at the optimal temperature. Anaerobes grow in the lower part of the culture medium container.

### Quality control

#### Physical/Chemical control

Color : yellow

pH: 7.1 ± 0.2 at 25°C

#### Microbiological control

Prepare tubes - Inoculate: Practical range 10-100 CFU (productivity) according to harmonized Eur. Pharmacopoeia

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 30-35°C. Reading at 18-72h

#### Microorganism

*Clostridium sporogenes* ATCC® 19404, WDCM 00008

*Ps. aeruginosa* ATCC® 9027, WDCM 00026

*Staphylococcus aureus* ATCC® 6538, WDCM 00032

#### Growth

Good - in anaerobic zone

Good

Good

#### Sterility control

Incubation 14 days at 32.5 ± 2 °C: NO GROWTH.

Incubation 14 days at 22.5 ± 2 °C: NO GROWTH.

## Bibliography

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