



FLUID THIOGLYCOLLATE MEDIUM

INTENDED USE

Fluid Thioglycollate Medium supports the growth of a large variety of fastidious microorganisms having a wide range of growth requirements.

FORMULA

Ingredients in grams per liter of purified water

Peptone of casein	15,00	L-cystine	0,50
Yeast extract	5,00	Sodium thioglycolate	0,50
Dextrose	5,50	Resazurin	0,001
Sodium chloride	2,50	Agar	0,75

Adjusted and/or supplemented as required to meet performance criteria.

STORAGE

Tubes and, bottles: 2 - 25°C

Dehydrated media: 2 - 30°C

The expiration date on the product label applies to the product in its intact packaging when stored as directed.

DIRECTIONS FOR PREPARATION

1. Dissolve 30 g in 1 L of purified water. Mix thoroughly.
2. Fill tubes or bottles.
3. Autoclave for 15 minutes at 121°C.

LIMITATION OF THE PROCEDURE

This product is for laboratory use only.

QUALITY CONTROL

Physical appearance: Prepared medium is hazy, may have a slight precipitate, yellow in color with upper 10% may be light to medium red. If the light to medium red layer is greater than 10% of the tube, the medium may be restored once by heating in a hot water bath until the light to medium red color disappears.

Final pH: 7.1 ± 0.2 at 25°C

Expected Cultural Response

Organism	Inoculum CFU	Incubation	Results
<i>Bacillus subtilis</i> ATCC 6633 • WDCM 00003	10-10 ²	48 h ± 2 h at 37°C ± 1°C	Growth
<i>Clostridium perfringens</i> ATCC 13124 • WDCM 00007	10-10 ²	21 h ± 3 h at 37°C ± 1°C	Growth
<i>Escherichia coli</i> ATCC 8739 • WDCM 00012	10-10 ²	48 h ± 2 h at 37°C ± 1°C	Growth
<i>Pseudomonas aeruginosa</i> ATCC 9027 • WDCM 00026	10-10 ²	48 h ± 2 h at 37°C ± 1°C	Growth

This is an example of organisms routinely used for testing

BIBLIOGRAPHIE

1. Horwitz, W. 2000. Official Methods of Analysis. AOAC International. Gaithersburg, MD. USA.
2. U.S. Food and Drug Administration. 1998. Bacteriological analytical manual, 8th ed. AOAC International, Gaithersburg, Md. USA.
3. ISO 7937:2004. Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of *Clostridium perfringens* - Colony-count technique.