

Thioglycolate Medium Modified

Fluid Thioglycolate Medium

TN 1256 500 g



Intended use

Used for the detection of aerobic and anaerobic microorganisms and when testing the sterility of products.

Form

Powder

Colour

Bright beige

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Casein peptone (pancreatic hydrolysate)	15
Yeast extract (water-soluble)	5
Glucose monohydrate	5.5
Sodium chloride	2.5
Sodium thioglycolate	0.5
L-Cystine	0.5
Resazurin	0.001
Agar substitute	0.75

Directions

Suspend 30 g in 1 litre distilled water and heat until completely dissolved. Mix well and distribute into containers for final use. Autoclave for 15 minutes at 121 °C.

Final pH at 25 °C

7.1 ± 0.2

Microbiological quality control

Test strain	ATCC no.	CFU/ plate	Turbidity	Incubation
<i>Staphylococcus aureus</i>	6538	10-100	clearly visible to the naked eye	aerobically, max. 3 d, 30-35 °C
<i>Staphylococcus aureus</i>	6538P	10-100	clearly visible to the naked eye	aerobically, max. 3 d, 30-35 °C
<i>Pseudomonas aeruginosa</i>	9027	10-100	clearly visible to the naked eye	aerobically, max. 3 d, 30-35 °C
<i>Clostridium sporogenes</i>	19404	10-100	clearly visible to the naked eye	anaerobically, max. 3 d, 30-35 °C
<i>Bacillus subtilis</i>	6633	10-100	clearly visible to the naked eye	anaerobically, max. 3 d, 30-35 °C
<i>Streptococcus pyogenes</i>	12344	10-100	clearly visible to the naked eye	anaerobically, max. 3 d, 30-35 °C
<i>Candida albicans</i>	10231	10-100	clearly visible to the naked eye	aerobically, max. 5 d, 20-25 °C
<i>Aspergillus niger</i>	16404	10-100	clearly visible to the naked eye	aerobically, max. 5 d, 20-25 °C

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