

Thioglycolate Medium acc. to EP/USP

Fluid Thioglycolate Medium

TN 1188 500 g
TN 1253 5000 g



Intended use

Used for the detection of aerobic and anaerobic microorganisms and when testing the sterility of products (EP and USP).

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	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

Incubate Thioglycolate Medium acc. to EP/USP (Fluid Thioglycolate Medium) aerobically.

Test strain	ATCC no.	CFU/ 10 ml	Inoculum control	Incubation
<i>Staphylococcus aureus</i>	6538	10-100	Blood agar	max. 3 d, 30-35 °C
<i>Staphylococcus aureus</i>	6538P	10-100	Blood agar	max. 3 d, 30-35 °C
<i>Streptococcus pyogenes</i>	12344	10-100	Blood agar	max. 3 d, 30-35 °C
<i>Bacillus subtilis</i>	6633	10-100	Blood agar	max. 3 d, 30-35 °C
<i>Pseudomonas aeruginosa</i>	9027	10-100	Blood agar	max. 3 d, 30-35 °C
<i>Clostridium sporogenes</i>	19404	10-100	Blood agar	max. 3 d, 30-35 °C
<i>Candida albicans</i>	10231	10-100	Sabouraud 2% Glucose Agar	max. 5 d, 20-25 °C
<i>Aspergillus niger</i>	162404	10-100	Sabouraud 2% Glucose Agar	max. 5 d, 20-25 °C