

THIOGLYCOLLATE MEDIUM, PH EUR

A non-selective medium for sterility testing according to PH EUR (Fluid Thioglycollate Medium for Sterility Testing). The medium is primarily intended for the culture of anaerobe bacteria, however, it will also detect aerobe bacteria.

Dehydrated media	
Code number:	500 g: THM20500, 5 kg: THM25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 – 7,3

Direction: Suspend **30 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: THM30100, 500 ml: THM30500
Tubed media:	150 x 15 mm: THM40010 (10 ml)
Colour:	Yellowish, with claret colour ring on the top
pH (25 °C):	7,0 – 7,2

Direction: Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

WARNING!

The media may be used until approximately 30% of the medium (top layer) has been oxidized, as indicated by a claret colour of the resazurin near the surface. If oxidation has proceeded further, the media may be reheated once in steam or boiling water, cooled and used.

FORMULA in g/l

Casein peptone	15,000
Yeast extract	5,000
L-Cystine	0,500
Glucose monohydrate	5,500
Sodium chloride	2,500
Sodium thioglycollate	0,500
Resazurin	0,001
Agar	0,750

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 48 h
<i>Pseudomonas aeruginosa</i> ATCC 27853		Good	
<i>Staphylococcus aureus</i> ATCC 29213		Good	
<i>Clostridium perfringens</i> ATCC 13124		Good (under anaerobic conditions)	

References: European Pharmacopoeia

In vitro diagnostic – for professional use only!