THIOGLYCOLATE MEDIUM, PH EUR - USP

A non-selective medium for sterility testing according to PH EUR (Fluid Thioglycolate Medium for Sterility Testing - Harmonised) and ISO 7937. 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 thioglycolate	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
Pseudomonas aeruginosa	ATCC 27853	Good	
Staphylococcus aureus	ATCC 29213	Good	
Clostridium perfringens	ATCC 13124	Good (under anaerobic conditions)	

References: European Pharmacopoeia
ISO 7937:2004

In vitro diagnostic – for professional use only!