

THIOGLYCOLATE MEDIUM, BREWER

A non-selective enrichment medium for the cultivation of both aerobic and anaerobic micro-organisms, especially in the sterility testing of the biological products.

Dehydrated media	
Code number:	500 g: TBR20500, 5 kg: TBR25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **20 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: TBR30100, 500 ml: TBR30500
Tubed media:	150 x 15 mm: TBR40010 (10 ml)
Colour:	Yellowish, with green colour ring on the top
pH (25 °C):	7,1 – 7,3

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 green colour of the methylene blue near the surface. If oxidation has proceeded further, the medium may be reheated once in steam or boiling water, cooled and used.

FORMULA in g/l

Peptones	8,000
Glucose	5,000
Sodium chloride	5,000
Sodium thioglycolate	1,100
Methylene blue	0,002
Agar	0,900

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>Staphylococcus aureus</i> ATCC 29213		Good	
<i>Clostridium perfringens</i> ATCC 13124		Good (under anaerobic conditions)	

References: Brewer (1940) J. Am. Med. Assoc. 115: 598.

For professional use only!