

TERGITOL 7 AGAR BASE

A differential and selective medium for the detection and enumeration of coliforms according to ISO 9308-1.

Dehydrated media	
Code number:	500 g: TEA20500, 5 kg: TEA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **27 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **10 drops (0,5 ml) of TTC Solution, Sterile (TTC80030)**. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: TEA30100, 500 ml: TEA30500
Plated media:	55 mm: TEA50055, 90 mm: TEA50090
Colour:	Green
pH (25 °C):	7,1 – 7,3

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	10,00
Yeast extract	6,00
Meat extract	5,00
Lactose	20,00
Tergitol 7	0,10
Bromothymol blue	0,05
Agar	12,85

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 media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Good, yellow colonies	
<i>Proteus mirabilis</i>	ATCC 29906	Good, ferruginous colonies without swarming	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: Chapman (1947) J. Bact. 53: 504.
ISO 9308-1:2001

In vitro diagnostic – for professional use only!