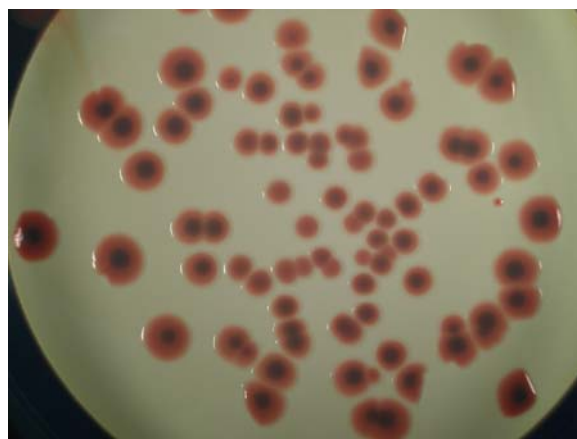


TTC TERGITOL 7 AGAR BASE
TTC 0.05% SOLUTION
Ready to use plates
for the enumeration of coliforms with MF technique



TTC Tergitol 7 Agar: *E.coli* colonies on the membrane filter



TTC Tergitol 7 Agar: *S.enteritidis* colonies on the membrane filter

TYPICAL FORMULA

Yeast Extract	6.00
Peptone	10.00
Beet Extract	5.00
Lactose	20.00
Bromothymol Blue	0.05
Tergitol 7	0.1
Agar	13.00
Triphenyltetrazolium chloride	0.0250 g
Distilled water	1000 ml

Final pH 7.2 ± 0.1

DESCRIPTION

TTC Tergitol 7 Agar is a selective medium for the enumeration of coliforms. It is recommended by ISO 9308-1 for the enumeration of coliforms and heat stable coliforms in water samples with MF procedure. The medium contains Tergitol 7 as a selective agent, bromothymol blue as the lactose fermentation indicator and triphenyl tetrazolium chloride (TTC) which may be reduced to formazan .

TECHNIQUE

Filter the specimen to be analysed through two membranes. Place the membranes upon two TTC Tergitol 7 Agar plates. Incubate a plate at 37°C for 24 hours (total coliforms) and the other one at 44°C for 16-24 hours (faecal coliforms). Read the results as following:

Violet colonies: TTC reduction

Yellow colonies: absence of TTC reduction

Yellow halo: lactose fermentation

Blue halo: absence of lactose fermentation

Carry on the confirmation tests: oxidase test and indole production (Tryptone Tryptophan Medium –REF 402165).

Count all the oxidase negative colonies as coliform bacteria.

Count all the oxidase negative and indole positive colonies as *E.coli*.

STORAGE

Store at 2-8° - When stored as directed the plates remain stable until the expiry date shown on the label. Do not use beyond stated expiry date.

REFERENCE

•EN ISO 9308-1 (2000) Water Quality: Detection and enumeration of *Escherichia coli* and coliform bacteria. Part 1: Membrane filtration method

PACKAGING

492160T **TTC Tergitol 7 Agar** **30 ready to use plates (55 mm).**