

## TTC TERGITOL 7 AGAR BASE II TTC 0.0125 g SOLUTION

Medium base and TTC Solution for the enumeration  
of coliform bacteria and *E.coli* with in waters and foodstuffs

### TYPICAL FORMULAS

#### TTC Tergitol 7 Agar Base (g/l)

Yeast Extract	3.00
Peptone	5.00
Lactose	10.00
Bromothymol Blue	0.025
Tergitol 7	0.1
Agar	15.00

#### TTC 0.0125 g/5ml Solution (vial contents)

Triphenyltetrazolium chloride	0.0125 g
Distilled water	5 ml

### DIRECTIONS

Suspend 33,1g in 1000 ml of cold distilled water, heat to boiling with agitation and sterilise by autoclaving at 121 °C for 15 minutes. Cool to 48 - 50 °C and add 1,6 ml of TTC 0,0125 g/5ml Solution (REF421510N).

Final pH 6,9 ± 0.2

### DESCRIPTION

TTC Tergitol 7 Agar II is a selective and differential medium for the enumeration of *E.coli* and coliforms in drinking water and foodstuffs with MF technique or with surface spreading technique. 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

MF technique: filter the specimen to be analysed through two membranes. Place the membranes upon two TTC Tergitol 7 Agar II plates.

Surface spreading technique: inoculate 0,1 ml of sample and 0,1 ml of decimal dilutions onto the surface of TTC Tergitol 7 Agar II plates. Spread the inoculum on the medium surface.

Incubate at 37 °C for 24 hours (total coliforms) and/or at 44 °C for 16-24 hours (*E.coli*).

Read the results as following:

Yellow colonies with yellow halo: *E.coli*

Dark red colonies with yellow halo: other coliform bacteria

Dark red colonies with bluish halo: lactose-negative bacteria

Carry on the suitable confirmation tests

### USER QUALITY ASSURANCE (37 °C-24 HRS)

Productivity control

*E.coli* ATCC 25922: good growth, yellow colonies;

*E.aerogenes* ATCC 13048: good growth. Red coloneis

Selectivity control

*E.faecalis* ATCC 19433: inhibited

### STORAGE AND PRECAUTIONS

**Dehydrated medium:** store at +10 +30 °C; keep the bottle tightly closed away from the bright light; do not ingest, do not inhale the product.

**Supplement:** store at 2-8 °C

The products here described are for Laboratory use only.

### PACKAGING

402160N

TTC Tergitol 7 Agar Base II

500g (15.1 l)

421510N

TTC 0.0125 g/5ml Supplement

10 x 5 ml vials