



## TECHNICAL DATA SHEET

**DESCRIPTION** TERGITOL 7 AGAR, 90MM PLATES  
**SGL PRODUCT CODE** 7610

A medium used for the detection and enumeration of *E. coli* and coliform bacteria in water, particularly by the membrane method. The medium complies with the requirements of ISO 9308 and AFNOR NF90-414 & is quoted in the EU directive for the detection and enumeration of coliforms in drinking water.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	10.0 g
Yeast extract	6.0 g
Meat extract	5.0 g
Lactose	20.0 g
Bromothymol blue	0.05 g
Tergitol-7	0.1 g
Triphenyltetrazolium chloride	0.025 g
Agar	13.0
Purified water	1000 ml

\*Product may be adjusted and/or supplemented to meet performance criteria

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Dark green coloured gel
pH at 20-25°C	7.2 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected
Incubation at 42-45°C for 5 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Enterobacter cloacae</i> ATCC 13047 NCTC 10005 NCIMB 10101 NMT 100 CFU inoculum	>50% CFU recovery compared to control, greenish yellow colonies with red centre at 35-37°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 NMT 100 CFU inoculum	>50% CFU recovery compared to control, yellow colonies with yellow zone – may have rust coloured centre at 35-37°C incubation after not more than 1 day
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12903 NMT 100 CFU inoculum	>50% CFU recovery compared to control, red colony with bluish zone at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum	Inhibited compared to control at 35-37°C incubation after not more than 3 days

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.

Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).