

Product Specification Sheet

Tergitol 7™ Lactose TTC Agar

Intended Usage: A medium for the enumeration of coliforms in food and water.

For professional use only.

PO5411J	
Version: 12	Revision Date: January 2025

Thermo Scientific™ Tergitol 7™ Lactose TTC Agar

Form of Product	Poured plate
Storage	2 – 12°C, dark
Filling weight	10 g ± 5 %
Packaging	Box with 10 plates (55 mm) wrapped in film
pH	7.2 ± 0.2
Appearance	Reseda green, transparent
Shelf life	12 weeks
Intended Usage	A medium for the enumeration of coliforms in food and water. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0793 / SR0148 and DIN EN ISO 9308-1.

Typical formulation*	g/l
Peptone	10.0
Yeast extract	6.0
Meat extract	5.0
Lactose	20.0
Bromothymol blue	0.05
Tergitol-7	0.1
Triphenyltetrazolium chloride	0.025
Agar	13.0

*Adjusted as required to meet performance standards.

Quality Control

- Control for general characteristics, labelling and printing.
- Contamination check
 ≥ 72 h @ 20 – 25 °C, aerobic
 ≥ 72 h @ 30 – 35 °C, aerobic
- Microbiological control

Positive Controls	Growth
Inoculum 50 – 120 colony forming units (cfu); quantitative Incubation conditions: 18 – 24 h @ 36 ± 2°C, aerobic Strains tested by membrane filtration method	
<i>Escherichia coli</i> CIP106878 (WDCM 00179)	2 – 4 mm, yellow colonies.
<i>Enterobacter aerogenes</i> ATCC®13048™ (WDCM 00175)	2 – 4 mm, red-orange colonies.
<i>Citrobacter freundii</i> ATCC®43864™ (WDCM 00006)	2 – 4 mm, red-orange colonies.
Colony counts shall be ≥ 50% of the control medium TSA	

Specificity Control	Growth
Inoculum 10³ – 10⁴ cfu, qualitative, control medium COL+SB Incubation conditions: 18 – 24 h @ 36 ± 2°C, aerobic Strain tested by membrane filtration method	
<i>Pseudomonas aeruginosa</i> ATCC®27853™ (WDCM 00025)	Good growth, red colonies on blue medium.

Negative Control	Growth
Inoculum 10⁴ – 10⁵ cfu, qualitative, control medium COL+SB Incubation conditions: 18 – 24 h @ 36 ± 2°C, aerobic Strain tested by membrane filtration method	
<i>Enterococcus faecalis</i> ATCC®19433™ (WDCM 00087)	No growth to pinpoint yellow colonies.

Tested in accordance with ISO 11133.

Tested in accordance with the methods described in ISO 7704:2023

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