

Lactose TTC Agar with Tergitol-7

Tergitol-7 TTC Agar

TN 1278 500 g



Intended use

Used for the isolation and differentiation of *E. coli* and coliform bacteria from water by means of the membrane filtration method (DIN EN ISO 9308-1 and German drinking water regulation (Trinkwasserverordnung)).

Form

Powder

Colour

Greenish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

3 years

Typical composition

Component	g/l
Peptone	10
Meat extract	5
Yeast extract	6
Lactose	20
Bromothymol blue	0.05
Tergitol-7	0.1
2,3,5-Triphenyl tetrazolium chloride (TTC)	0.025
Agar	12

Directions

Suspend 53.2 g in 1 litre distilled water. Carefully bring to the boil, stirring frequently, until completely dissolved, or heat in a steam heater for 30-40 minutes. Do not autoclave! Mix well and pour plates.

Final pH at 25 °C

7.2 ± 0.2

Microbiological quality control

Incubate Lactose TTC Agar with Tergitol-7 (Tergitol-7 TTC Agar) aerobically for 18-22 hours at 36 ± 1 °C.

Test strain	ATCC-No.	CFU/ plate	Recovery rate	Colony morphology
<i>Escherichia coli</i>	25922	10-100	>50 %	orange-yellow with yellow corona
<i>Escherichia coli</i>	10536	10-100	>50 %	orange-yellow with yellow corona
<i>Citrobacter freundii</i>	8090	10-100	>50 %	yellow with orange coloured centre, with yellow corona
<i>Proteus mirabilis</i>	29906	10-100	>50 %	red with blue corona, swarming inhibited
<i>Pseudomonas aeruginosa</i>	27853	10-100	>50 %	red with blue corona
<i>Shigella flexneri</i>	29929	10-100	>50 %	red with blue corona
<i>Salmonella</i> Typhimurium	13311	10-100	>50 %	red with blue corona
<i>Enterococcus faecalis</i>	29212	100-1000	<0.1 %	n.a.
<i>Staphylococcus aureus</i>	25923	100-1000	<0.1 %	n.a.

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