

Distribution: Central File

Date: 05/11/09

Supersedes: 01/07/09

**OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION**

TERGITOL-7 AGAR (MODIFIED)**CM0793****Typical Formula***

Peptone	grams per litre	10.0
Yeast extract		6.0
Meat extract		5.0
Lactose		20.0
Bromothymol blue		0.05
Tergitol -7		0.1
Agar		13.0

* adjusted as required to meet performance standards

Directions

Suspend 54.15g in 1 litre of distilled water. Bring to the boil to dissolve completely. Mix well and distribute into 100ml volumes. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C and aseptically add the contents of 1 vial of TTC Solution (0.125%) (SR0148A). Mix well and pour into sterile Petri dishes.

Physical Characteristics

Light green, free-flowing powder
 Colour on reconstitution - dark green
 Moisture level - less than 7%
 pH 7.2 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 13.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 37°C for 18 hours

Tested with the addition of TTC Solution (0.125%) SR0148

Medium is challenged with 10-100 colony-forming units

<i>Escherichia coli</i>	ATCC® 25922	1-2mm yellow/orange colonies with yellow zone
<i>Citrobacter freundii</i>	ATCC® 8090	0.75-1.5mm claret colonies with yellow zone
<i>Enterobacter aerogenes</i>	ATCC® 13048	1-2mm claret colonies, green medium
<i>Klebsiella pneumoniae</i>	ATCC® 29665	1-2mm mucoid claret/yellow colonies
<i>Shigella flexneri</i>	ATCC® 12022	1-3mm claret colonies with bluish zone

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Enterococcus faecalis</i>	ATCC® 19433	No growth to pinpoint yellow colonies
<i>Staphylococcus aureus</i>	ATCC® 25923	No growth/slight growth, colourless colonies

Negative strains are inhibited

Reactions after incubation at 44°C for 18 hours

Medium is challenged with 10-100 colony-forming units

<i>Escherichia coli</i>	ATCC® 25922	1-2mm yellow/orange colonies with yellow zone
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A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.