

OXOID PRODUCT SPECIFICATION

TSC SELECTIVE AGAR

PO0520A

Typical Formula

	grams per litre
Tryptose	15.0
Soya peptone	5.0
Yeast extract	5.0
Sodium metabisulphite	1.0
Ferric ammonium citrate	1.0
Agar	19.0

Additions

TSC Supplement	
D-cycloserine	400mg
Egg Yolk Emulsion	30ml

Preparation

Suspend TSC Selective Agar (46 grams / litre) in de-ionised water. Sterilise at 121°C for 10 minutes. Cool and add Egg Yolk Emulsion (50 millilitres / litre) and TSC Supplement as above, mix. Aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

Format

Ten 90mm plates, wrapped in a single cellulose-based film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

Physical Tests

pH	7.6 ± 0.2
Colour	Straw
Opacity	Semi-opaque
Fill weight	19.5g ± 1.0g

Packaging and presentation:

General appearance of pack and label should be satisfactory. Label data should be correct.

Sterility Test

Macroscopic examination should show no evidence of microbial growth after incubation at 20-24°C and 30-34°C for 5 days.

Microbiological Tests Using Optimum Inoculum Dilution

Results after incubation at 35-39°C for 36-48 hours under anaerobic conditions.
(for details refer to Oxoid Manual – Atmosphere Generation Systems)

Positive control

Inoculum 10-100 colony forming units

Overlay inoculated plates with a layer of Perfringens Agar Base cooled to 45-50°C.

Clostridium perfringens ATCC® 13124 Black colonies with halo

Colony counts shall be equal to or greater than 50% of the control medium.

Results after incubation at 35-39°C for 36-48 hours.

Negative control

Inoculum 10,000 – 100,000 colony forming units

Escherichia coli ATCC® 25922 No growth / inhibited

Storage conditions

Store away from the light between 2-10°C.