

TSC SELECTIVE AGAR

P00520A

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 / 1litre) 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 50-120 colony forming units

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

Clostridium perfringens ATCC® 13124 (WDCM00007) 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 (WDCM00013) No growth / inhibited

Storage conditions

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

ATCC® is a registered trademark of American Type Culture Collection.

Tested in accordance with ISO 11133:2014.