

OXOID QUALITY ASSURANCE

PRODUCT SPECIFICATION

**TRYPTONE SOYA AGAR WITH TWEEN AND LECITHIN IRRADIATED
(TRIPLE WRAPPED)**

PO0479D

Typical Formula, Oxoid CM131

| | grams per litre |
|-----------------|-----------------|
| Tryptone | 15.0 |
| Soya peptone | 5.0 |
| Sodium chloride | 5.0 |
| Agar | 15.0 |

Addition

| | |
|----------------------|-------|
| Oxoid Agar Technical | 5.0 |
| Tween 80 | 3.0ml |
| Lecithin | 1.0 |

Preparation

Suspend Tryptone Soya Agar (40g/litre), Oxoid Agar Technical (5.0g/litre), Tween 80 (3.0ml/litre) and Lecithin (1.0g/litre) in deionised water. Sterilise at 121°C for 15 minutes. Cool and aseptically dispense into contact plates. Label plates, wrap and label pack. Irradiate at 8-20kGy.

Format

Ten 55mm contact plates wrapped in three cellulose-based film wraps. An individual irradiation indicator sticker is applied to conform irradiation status. 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 are carried out pre- and post-irradiation

Physical Tests

| | |
|------------------|----------------|
| pH | - 7.3 ± 0.2 |
| Colour | - Straw |
| Clarity | - Clear |
| Fill volume | - 16.5 ± 0.5ml |
| Irradiation dose | - 8-20kGy |

Packaging and presentation:

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

Sterility Test

Macroscopic examination should show no evidence of microbial growth after incubation at 20-25°C and 30-35°C for 5 days.

Microbiological Tests Using Optimum Inoculum Dilution

Microbiological tests are carried out pre-and-post irradiation

Results after incubation at 30 - 35°C for 3 days

Inoculum less than 100 colony forming units

| | | |
|-------------------------------|-----------|---------------------------|
| <i>Staphylococcus aureus</i> | ATCC 6538 | Straw colonies |
| <i>Escherichia coli</i> | ATCC 8739 | Cream colonies |
| <i>Bacillus subtilis</i> | ATCC 6633 | Irregular, straw colonies |
| <i>Pseudomonas aeruginosa</i> | ATCC 9027 | Straw colonies |

Results after incubation at 20 - 25°C for 5 days

| | | |
|--------------------------|------------|-----------------------------|
| <i>Candida albicans</i> | ATCC 10231 | Cream colonies |
| <i>Aspergillus niger</i> | ATCC 16404 | White mycelia, black spores |

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

Storage conditions

Store away from the light at between 2 - 25°C.