PRODUCT SPECIFICATION

OXOID TSA TRIPLE WRAPPED IRRADIATED WITH DESICCANT PO1192B

Typical Formula*

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Grams per litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pancreatic digest of casein</td>
<td>15.0</td>
</tr>
<tr>
<td>Enzymatic digest of soya bean</td>
<td>5.0</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>5.0</td>
</tr>
<tr>
<td>Agar</td>
<td>15.0</td>
</tr>
</tbody>
</table>

*adjusted as required to meet performance standards

Preparation

Suspend Tryptone Soya Agar (40.0 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool and aseptically dispense into Petri dishes. Label dishes, triple-wrap, with addition of silica gel desiccant sachet between first and second layers of wrap, and label pack. Irradiate at 8-20kGy.

Format

Ten 90mm plates, wrapped in three film wraps. A silica gel desiccant sachet is placed between first and second layers of wrap. An irradiation indicator sticker is applied, to confirm 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

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>7.3 ± 0.2</td>
</tr>
<tr>
<td>Colour</td>
<td>Straw 1, Straw 1-2 or Straw 2</td>
</tr>
<tr>
<td>Clarity</td>
<td>Clear</td>
</tr>
<tr>
<td>Fill weight</td>
<td>22.75 ± 0.75g</td>
</tr>
</tbody>
</table>

Packaging and presentation

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

Contamination Check

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

Positive controls

Inoculum 10 - 100 colony forming units

Results after incubation at 30 - 34°C for 36 - 48 hours

- **Staphylococcus aureus** ATCC®6538 Straw colonies
- **Escherichia coli** ATCC®8739 Cream colonies
- **Bacillus subtilis** ATCC®6633 Irregular, straw colonies
- **Pseudomonas aeruginosa** ATCC®9027 Straw colonies
**Results after incubation at 21 - 25°C for ≤ 5 days**

*Candida albicans*  
ATCC®10231  
Cream colonies

*Aspergillus brasiliensis*  
ATCC®16404  
White mycelia, black spores

Colony counts shall be equal to or greater than 70% of the control medium (Tryptone Soya Agar or Sabouraud Dextrose Agar - *C.albicans*).

**Storage conditions**

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

ATCC® registered trademark of American Type Culture Collection.