

**OXOID QUALITY ASSURANCE**

**PRODUCT SPECIFICATION**

**TRYPTONE SOYA AGAR IRRADIATED  
(DEEP FILL TRIPLE WRAPPED)**

**PO0821B**

**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
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**Preparation**

Suspend Tryptone Soya Agar (40g/litre) and Agar Technical (5g/litre) in deionised water. Sterilise at 121°C for 15 minutes. Cool and aseptically dispense into petri dishes. Label dishes, wrap and label pack. Irradiate at 8-20kGy.

**Format**

Ten 90mm 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	- 22.75 ± 0.75ml
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 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

Inoculum less than 100 colony forming units

<i>Candida albicans</i>	ATCC 10231	Cream colonies
<i>Aspergillus niger</i>	ATCC 16404	White mycelium, 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.