

OXOID QUALITY ASSURANCE

PRODUCT SPECIFICATION

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

PO0262D

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 Technical Agar (5g/litre) in deionised water. Sterilise at 121°C for 15 minutes. Cool and aseptically dispense into contact plates. Label plates, wrap and label pack.

Format

Ten 55mm contact plates wrapped in three cellulose-based film wraps. 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

Physical Tests are carried out pre- and post-irradiation

Physical Tests

pH	-	7.3 ± 0.2
Colour	-	Straw
Clarity	-	Clear
Fill volume	-	17.25 ± 1.25ml
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

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.