thermoscientific

PRODUCT SPECIFICATION

OXOID TBX MEDIUM – TRYPTONE BILE X-GLUCURONIDE   PO0727A

Typical Formula*

	grams per litre
Tryptone	20.0
Bile salts No. 3	1.5
Agar	15.0
X-glucuronide	0.075

* adjusted as required to meet performance standards

Preparation
Suspend TBX medium (36.6 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. When cool and aseptically dispense into petri dishes. Label dishes, wrap and label pack.

Format
Ten 90mm plates wrapped in a single nylon 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
pH	7.2 ± 0.2
Colour	Straw 1
Clarity	Clear
Fill weight	19.0 ± 2.0g

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 30-34°C for ≥ 72 hours.

Microbiological Tests Using Optimum Inoculum Dilution

Results after incubation at 43-45°C for 20-24 hours.

Positive controls
Inoculum 50-120 colony forming units.

Escherichia coli	ATCC® 25922 (WDCM 00013)	Blue/green colonies
Escherichia coli	NCTC 13216 (WDCM 00202)	Blue/green colonies

Colony counts shall be equal to or greater than 50% of the control medium (Tryptone Soya Agar).

Specificity control
Inoculum 1,000-10,000 colony forming units.

Citrobacter freundii	ATCC® 43864 (WDCM 00006)	Inhibited growth, white to green-beige colonies

<u>Negative control</u>
Inoculum 10,000-100,000 colony forming units.

Enterococcus faecalis   ATCC® 29212 (WDCM 00087)   No growth

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

Tested in accordance with ISO 11133
The formulation conforms to ISO 16649 (all parts).

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