

Product Specification Sheet

TBX Chromogenic Medium

Intended Usage: A chromogenic medium for the detection and enumeration of *Escherichia coli* in food.

For professional use only.

PO5109A	
Version: 09	Revision Date: 14 May 2020

Thermo Scientific™ TBX Chromogenic Medium

Form of Product	Poured plate
Storage	2 – 12°C, dark
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	7.2 ± 0.2
Appearance	Ivory, transparent
Shelf life	12 weeks
Intended Usage	A chromogenic medium for the detection and enumeration of <i>Escherichia coli</i> in food. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0945.

Typical formulation*	g/l
Tryptone (enzymatic digest of casein)	20.0
Bile Salts No. 3	1.5
X-Glucuronide (BCIG)	0.075
Agar	15.0

*Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check
 ≥ 72 h @ 20 – 25 °C, aerobic
 ≥ 72 h @ 30 – 35 °C, aerobic
3. Microbiological control

Positive Controls	Growth
Inoculum 50 – 120 colony forming units (cfu), quantitative Incubation conditions: 20 – 24 h @ 44 ± 1°C, aerobic	
<i>Escherichia coli</i> ATCC® 25922™ (WDCM 00013)	2 – 5 mm, turquoise colonies.
<i>Escherichia coli</i> NCTC 13216 (WDCM 00202)	2 – 5 mm, colonies with blue centre.
Colony counts shall be ≥ 50% of the control medium TSA.	
Inoculum 10³ – 10⁴ cfu, qualitative control medium COL+SB Incubation conditions: 20 – 24 h @ 44 ± 1°C, aerobic	
<i>Citrobacter freundii</i> ATCC® 43864™ (WDCM 00006)	Inhibited growth, white / green-beige colonies.

Negative Control	Growth
Inoculum 10⁴ – 10⁵ cfu, quantitative, control medium COL+SB Incubation conditions: 20 – 24 h @ 44 ± 1°C, aerobic	
<i>Enterococcus faecalis</i> ATCC® 29212™ (WDCM 00087)	No growth.

Tested in accordance with ISO 11133

The formulation of this medium conforms to ISO 16649 (all parts).

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