

Product Specification Sheet

Lauryl Tryptose Broth with MUG and Tryptophan (with Durham Tube)

Intended Usage: A medium for the detection of coliform organisms in water, waste-water, food and dairy products. Simultaneously for the presumptive identification of *Escherichia coli*.

For professional use only.

TV5079E	
Version: 14	Revision Date: 28 May 2020

**Thermo Scientific™ Lauryl Tryptose Broth with MUG and Tryptophan
(with Durham Tube)**

Form of Product	Poured tube
Storage	2 – 12°C, dark
Filling weight	9.5 – 10.5 g
Packaging	50 tubes in a box
pH	6.8 ± 0.2
Appearance	Maize yellow, transparent
Shelf life	52 weeks
Intended Usage	A medium for the detection of coliform organisms in water, wastewater, food and dairy products. Simultaneously for the presumptive identification of <i>Escherichia coli</i> . For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0967.

Typical formulation*	g/l
Tryptose	20.0
Lactose	5.0
Dipotassium hydrogen phosphate	2.75
Potassium dihydrogen phosphate	2.75
Sodium chloride	5.0
Sodium lauryl sulphate	0.1
4-methylumbelliferyl-β-D-glucuronide (MUG)	0.1
Tryptophan	1.0

*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 Control	Growth
Inoculum 10 – 100 colony forming units (cfu), control medium TSA Incubation conditions: 24 – 48 h @ 30 ± 1°C, aerobic Subculture onto VRBD Medium	
<i>Escherichia coli</i> ATCC® 8739™ (WDCM 00012)	Turbid growth with gas. Indole positive.
<i>Escherichia coli</i> ATCC® 25922™ (WDCM 00013)	Turbid growth with gas. Indole positive. Fluorescence positive.
<i>Citrobacter freundii</i> ATCC® 43864™ (WDCM 00006)	Turbid growth with gas formation.

Negative Control	Growth
Inoculum ≥ 10⁴ cfu, control medium TSA Incubation conditions: 24 – 48 h @ 30 ± 1°C, aerobic Subculture onto TSA Medium	
<i>Enterococcus faecalis</i> ATCC® 29212™ (WDCM 00087)	No turbid growth. No gas formation.

Tested in accordance with ISO 11133.

The formulation of this medium conforms to ISO 11866-1 and DIN 10183-3:1992-10.

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