

# Product Specification Sheet

## *Tetrathionate Broth (Muller-Kauffmann)*

Intended Usage: A medium for the selective enrichment of *Salmonella* species.

For professional use only.

TV50061	
Version: 09	Revision Date: 01 May 2020

**Thermo Scientific™ Tetrathionate Broth (Muller-Kauffmann)**

Form of Product	Poured tube
Storage	2 – 12°C, dark
Filling weight	9.0 – 11.0 g
Packaging	50 tubes in a box
pH	7.6 ± 0.2
Appearance	Light green, opaque
Shelf life	12 weeks
Intended Usage	A medium for the selective enrichment of <i>Salmonella</i> species. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0343.

Typical formulation*	g/l
Casein peptone	7.0
Soya peptone	2.3
Sodium chloride	2.3
Calcium carbonate	25.0
Sodium thiosulphate	40.7
Ox bile	4.75
Iodine	3.8
Potassium iodide	4.75
Brilliant green	0.0095

\*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, subculture of one tube onto TSA for ≥ 18h @ 30 ± 1°C  
 ≥ 72 h @ 30 – 35 °C, aerobic, subculture of one tube onto TSA for ≥ 18h @ 30 ± 1°C
3. Microbiological control

Positive Control	Growth
<b>Inoculum 10-100 colony forming units (cfu), quantitative</b> <b>Incubation conditions: 18 – 24 h @ 42 ± 1°C, aerobic</b> <b>Subculture onto X.L.D. Medium</b>	
<i>Salmonella</i> Typhimurium ATCC® 14028™	Good growth, transparent colonies with black centres on X.L.D. Medium

Negative Control	Growth
<b>Inoculum ≥ 10<sup>4</sup> cfu, quantitative</b> <b>Incubation conditions: 18 – 24 h @ 42 ± 1°C, aerobic</b> <b>Subculture onto TSA Medium</b>	
<i>Escherichia coli</i> ATCC® 25922™	Complete inhibition (≤ 10 cfu).

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