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Product Specification Sheet

Legionella BCYEα with L-Cysteine

Intended Usage: A non-selective medium for the isolation of *Legionellaceae*.

For professional use only.

	PO5072A
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Thermo Scientific™ Legionella BCYEα with L-Cysteine

Form of Product	Poured plate
Storage	2 – 12°C, dark
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	6.8 ± 0.2
Appearance	Traffic black to Jet black, opaque
Shelf life	26 weeks
Intended Usage	A non-selective medium for the isolation of *Legionellaceae*. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0655 / SR0110.

Typical formulation*	g/l
Activated charcoal	2.0
Yeast extract	10.0
ACES-buffer	10.0
Potassium hydroxide	2.8
Iron (III) pyrophosphate	0.25
L-Cysteine hydrochloride	0.4
α-Ketoglutarate	1.0
Agar	13.0

*Adjusted as required to meet performance standards.

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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: 48 – 120 h @ 36 ± 2°C, humid atmosphere Strain tested by membrane filtration.	
Legionella pneumophila ATCC®33152™ (WDCM 00107)	2 – 6 mm, grey-blue colonies.
Colony counts shall be ≥ 70% of the control medium BCYE	
Inoculum 50-120 colony forming units (cfu), quantitative Incubation conditions: 48 – 120 h @ 36 ± 2°C, humid atmosphere. Inoculation on surface. Spread plate method.	
Legionella pneumophila ATCC®33156™ (WDCM 00180)	2 – 4 mm, grey-blue colonies.
Colony counts shall be ≥ 70% of the control medium BCYE	

Tested in accordance with ISO 11133.

The formulation of this medium conforms to ISO 11731 and NF T 90-431.

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