

Product Specification Sheet

Listeria Selective Medium (PALCAM)

Intended Usage: A selective and differential diagnostic medium for the detection of *Listeria monocytogenes*.

For professional use only.

PO5104A	
Version: 12	Revision Date: 01 April 2019

Thermo Scientific™ Listeria Selective Medium (PALCAM)

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	Traffic red, transparent
Shelf life	14 weeks
Intended Usage	A selective and differential diagnostic medium for the detection of <i>Listeria monocytogenes</i> . For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0877 / SR0150.

Typical formulation*	g/l
Columbia Blood Agar Base	39.0
Yeast extract	3.0
Glucose	0.5
Aesculin	0.8
Ferric ammonium citrate	0.5
Mannitol	10.0
Phenol red	0.08
Lithium chloride	15.0
Polymixin B	0.01
Acriflavine hydrochloride	0.005
Ceftazidime	0.02

*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 50 – 120 colony forming units (cfu), quantitative Incubation conditions: 40 – 48 h @ 36 ± 1°C, aerobic	
<i>Listeria monocytogenes</i> ATCC® 13932™	1 – 2 mm, green-brown colonies with brown halo.
Colony counts shall be ≥ 50% of the control medium TSA.	

Negative Controls	Growth
Inoculum ≥10⁴cfu, quantitative, control medium TSA Incubation conditions: 40 – 48 h @ 36 ± 1°C, aerobic	
<i>Enterococcus faecalis</i> ATCC® 29212™	Complete inhibition (≤ 10 cfu).
<i>Escherichia coli</i> ATCC® 25922™	Complete inhibition (≤ 10 cfu).

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