

# Product Specification Sheet

## *Chromogenic Listeria Agar (ISO)*

Intended Usage: A medium for isolation, enumeration and presumptive identification of *Listeria* species and *L. monocytogenes* from food samples.

For professional use only.

<b>PO5183A</b>	
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**Thermo Scientific™ Chromogenic *Listeria* Agar (ISO)**

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	Sand yellow, translucent
Shelf life	10 weeks
Intended Usage	A medium for isolation, enumeration and presumptive identification of <i>Listeria</i> species and <i>L. monocytogenes</i> from food samples.
Technique	For professional use only. Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM1084 / SR0226 / SR0244

Typical formulation*	g/l
Enzymatic digest of animal tissues	18.0
Enzymatic digest of casein	6.0
Sodium pyruvate	2.0
Glucose	2.0
Magnesium glycerophosphate	1.0
Magnesium sulphate (anhydrous)	0.5
Sodium chloride	5.0
Yeast extract	10.0
Lithium chloride	10.0
Disodium hydrogen phosphate (anhydrous)	2.5
X-glucoside mix	0.05
Nalidixic acid	0.02
Polymyxin B	76700 IU
Ceftazidime	0.02
Amphotericin	0.01
L-α-phosphatidylinositol	2.0
Agar	12.0

\*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
<b>Inoculum 50 – 120 colony forming units (cfu), quantitative</b> <b>Incubation conditions: 40 – 48 h @ 36 ± 1°C, aerobic</b>	
<i>Listeria monocytogenes</i> ATCC® 13932™ (WDCM 00021)	2 mm, light blue colonies with opaque zone.
<i>Listeria monocytogenes</i> ATCC® 35152™ (WDCM 00109)	2 mm, light blue colonies with opaque zone.
Colony counts shall be ≥ 50% of the control medium (TSA)	

Specificity Control	Growth
<b>Inoculum 10<sup>3</sup> – 10<sup>4</sup> cfu, qualitative, control medium COL+SB</b> <b>Incubation conditions: 40 – 48 h @ 36 ± 1°C, aerobic</b>	
<i>Listeria innocua</i> ATCC® 33090™ (WDCM 00017)	Good growth, light blue colonies.

Negative Controls	Growth
<b>Inoculum ≥ 10<sup>4</sup> cfu, quantitative, control medium TSA</b> <b>Incubation conditions: 40 – 48 h @ 36 ± 1°C, aerobic</b>	
<i>Escherichia coli</i> ATCC® 25922™ (WDCM 00013)	Complete inhibition (≤ 10 cfu).
<i>Enterococcus faecalis</i> ATCC® 29212™ (WDCM 00087)	Complete inhibition (≤ 10 cfu).

Tested in accordance with ISO 11133

The formulation of this medium conforms to EN ISO 11290-1 and EN ISO 11290-2.

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