



## Culture Media



# Brilliance Listeria



**Brilliance™ Listeria Agar - for the isolation, differentiation and enumeration of *Listeria monocytogenes* and other *Listeria* spp.**

### EASY TO READ

- Vivid blue-green colonies make differentiation of *Listeria* from any other organisms easy

### SPECIFIC

- Opaque halos around blue colonies makes presence of *L. monocytogenes* simple to detect

### COST EFFECTIVE

- Increased selectivity screens out negative samples more effectively, reducing further tests

### SELECTIVE

- Selective agents in the medium significantly reduce the growth of non-*Listeria* compared to traditional culture media

### FLEXIBLE

- Can be used in a variety of protocols including the Oxoid Precis™ Listeria Method

## Oxoid *Brilliance* Listeria Agar

Oxoid *Brilliance* Listeria Agar provides a highly selective and easy-to-read agar medium for the presumptive identification and enumeration of *Listeria* and *L. monocytogenes* from food and environmental samples.

*Brilliance* Listeria Agar incorporates a chromogen that is cleaved by the enzyme  $\beta$ -glucosidase, common to all *Listeria* spp, giving rise to blue-green colonies. Other organisms, including those that are positive for this enzyme, are inhibited by the selective agents in the medium.

*Listeria monocytogenes* is further differentiated by its ability to hydrolyse lecithin in the medium, producing an opaque white halo around the colony.



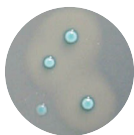
The Oxoid Listeria Precip method and rapid Listeria enumeration method have been validated by AFNOR to ISO 16140:2003 against reference methods ISO 11290-1:1997 (Incorporating Amendment 1:2004) & ISO 11290-2:1998 (Incorporating Amendment 1:2004) for all food, animal feed and environmental samples.

### Listeria Precip method\*

**Day 0** **Single enrichment:** ONE Broth-Listeria  
24 hours at 30°C

**Day 1** **Plating:** *Brilliance* Listeria  
24 hours at 37°C

**Day 2** **Confirmation:** O.B.I.S. mono test  
(alternatively traditional ISO 11290-1:1997  
confirmation tests may be used).

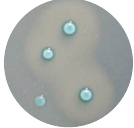


### Rapid enumeration method

**Day 0** **Resuscitation:** BPW 1 hour at 20°C

**Day 0 + 1 hour** **Plating:** *Brilliance* Listeria  
48 hours at 37°C

**Day 2** **Counting & Confirmation:** O.B.I.S. mono test  
(alternatively traditional ISO 11290-2:1998  
confirmation tests may be used).



\*Meat samples should be incubated for a further 24 hours at 37°C if plates are negative for *Listeria* after initial incubation.

## Testing Food Samples

*Listeria*, including the pathogenic *L. monocytogenes*, are ubiquitous in nature and have been isolated from water, soil and vegetable matter. The normal route of transmission to humans is through the ingestion of contaminated food. Contamination may occur at any stage during food production from the farm, through processing, distribution and preparation for consumption. The organism is able to tolerate wide ranges of salt concentration and pH, and can survive and grow during refrigeration, which creates a particular challenge for the food industry.

Raw material and environmental samples are routinely monitored throughout the production process for the presence of any *Listeria* spp., as this can be indicative that *L. monocytogenes* is also present and provides information about hygiene and cleaning efficiency. Detection and/or enumeration of *L. monocytogenes* are mandatory for a wide range of finished food products.

<b>Brilliance Listeria Agar</b>	SIZE/FORMAT	ORDER CODE
<i>Brilliance</i> Listeria (ready to use 90mm plates)	10 plates	PO1102A**
<i>Brilliance</i> Listeria Agar Base	500g	CM1080B
<i>Brilliance</i> Listeria Selective Supplement (for 500mL)	10 vials	SR0227E
<i>Brilliance</i> Listeria Differential Supplement (for 500mL)	10 vials	SR0228E

The Oxoid product range offers the complete solution for all your *Listeria* testing needs

### Enrichment/Resuscitation media

**ONE Broth-Listeria, Buffered Peptone Water (ISO)** and other *Listeria* enrichment media including **Fraser, UVM** and **BLEB** are available in a range of formats including dehydrated and ready to use formats such as 225mL bottles and 20 litre Dry-Bags™.

### Plate media

In addition to ***Brilliance* Listeria Agar**, there is an extensive range of other *Listeria* plating media, including **OCLA (ISO)**, **Oxford** and **PALCAM**, available as dehydrated media and packs of ready to use 90mm plates.

### Confirmatory tests

**O.B.I.S. mono** 60 tests ID0600M  
A biochemical test based on D-alanyl aminopeptidase detection to differentiate *L. monocytogenes* from other organisms.

**Microbact™ 12L** 20 tests MB1128A  
For the identification of all *Listeria* spp.; strip format.

**Oxoid Listeria Test Kit** 100 tests DR1126A  
A rapid latex agglutination test for the presumptive identification of *Listeria* spp.

**RapID™ CB Plus Panel** 20 panels R8311008\*\*  
A 4-hour identification system for *Corynebacterium* and other Gram-positive coryneform bacilli, including *Listeria* spp. based on enzyme technology.

**Culti-Loops™ for CAMP Test**  
The CAMP test can be used to differentiate *L. monocytogenes* from other species of *Listeria*.

<i>Staphylococcus aureus</i> ATCC® 25923™†	5 loops	CL7010**
<i>Rhodococcus equis</i> ATCC® 6939™†	5 loops	CL5400**

### Quality Control organisms – Culti-Loops™

<i>Listeria monocytogenes</i> ATCC® 7644™†	5 loops	CL3970**
<i>Listeria innocua</i> ATCC® 33090™†	5 loops	CL9005**
<i>Escherichia coli</i> ATCC® 25922™†	5 loops	CL7050**
<i>Enterococcus faecalis</i> ATCC® 29212™†	5 loops	CL7030**

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\*\* check code and availability with your local Oxoid products representative

**For more information about the Oxoid *Brilliance* range of chromogenic media and other products, please visit [www.oxid.com](http://www.oxid.com) or talk to your local Oxoid products representative.**

#### Limitations

Oxoid *Brilliance* Listeria Agar is for laboratory use only, by experienced microbiologists. It must not be used beyond the stated expiry date, or if the product shows any sign of deterioration. Media should be validated by the end-user, under local conditions. Identifications on *Brilliance* Listeria Agar are presumptive and should be confirmed.



Oxoid and Remel are specialty microbiology brands of **Thermo Fisher Scientific**. Our products are available worldwide.

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