	Document Owner Department: QC	MBD-BT-SPEC-0839
		Page 1 of 4
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRILLIANCE™ LISTERIA SELECTIVE SUPPLEMENT (ISO) SR0257E		

BRILLIANCE™ LISTERIA SELECTIVE SUPPLEMENT (ISO)
SR0257E
Formula

Vial contents (each vial is sufficient for 500ml of medium)

Nalidixic acid sodium salt	10.0 mg
Polymyxin B sulphate	38,350 IU
Amphotericin	5.0 mg
Ceftazidime	10.0 mg

Description

A selective supplement for the detection, enumeration and presumptive identification of *Listeria monocytogenes* and other *Listeria* species from food, animal feed and environmental samples according to ISO 11290-1:2017 and ISO 11290-2:2017 standards and other national reference methods using the Ottaviani & Agosti formulation.

Directions

Aseptically add 5ml of sterile distilled water to 1 vial and mix gently to dissolve. Aseptically add the vial contents to 480ml of sterile Brilliance™ Listeria Agar base (ISO) (CM1212) prepared as directed, cooled to 48°C and add 1 vial of Brilliance™ Listeria Differential Supplement (SR0258E) warmed to 48°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

White and yellow pellet
Sterility - passes test

Microbiological Tests Using Optimum Inoculum Dilution


Control Media: Tryptone Soya Agar, Columbia Blood Agar Base enriched with 5% v/v horse blood or Sabouraud Dextrose Agar, where appropriate

Tested in Brilliance™ Listeria Agar Base (ISO) CM1212 and Brilliance™ Listeria Differential Supplement (ISO) SR0258

Reactions after incubation at 37 ± 2°C for 24 ± 2 hours

Medium is challenged with 30-120 colony-forming units

<i>Listeria monocytogenes</i>	NCTC11994	0.5-2mm blue-green colonies with halo
<i>Listeria monocytogenes</i>	ATCC®7644	0.5-2mm blue-green colonies with halo

	Document Owner Department: QC	MBD-BT-SPEC-0839
		Page 2 of 4
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRILLIANCE™ LISTERIA SELECTIVE SUPPLEMENT (ISO) SR0257E		

A satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

Reactions after incubation at 37 ± 2°C for 48 ± 4 hours

Medium is challenged with 30-120 colony-forming units

<i>Listeria monocytogenes</i>	NCTC11994	1-3mm blue-green colonies with halo
<i>Listeria monocytogenes</i>	ATCC®7644	1-3mm blue-green colonies with halo
<i>Listeria ivanovii</i>	NCTC12701	0.5-3mm blue-green colonies with or without halo

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium. For *Listeria ivanovii* NCTC12701, a satisfactory result is represented by recovery equal to or greater than 50% of the control medium.

Medium is challenged with 1E+04 to 1E+05 colony-forming units

<i>Bacillus cereus</i>	ATCC®10876	No growth or 1-2mm cream/blue colonies
<i>Staphylococcus aureus</i>	ATCC®25923	No growth or 0.5-1mm yellow colonies
<i>Saccharomyces cerevisiae</i>	ATCC®9763	No growth or 1-2mm cream/blue colonies

Negative strains are inhibited or shall produce at least a 2 log(10) reduction when compared to the control medium.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Proteus mirabilis</i>	NCTC10975	No growth
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Negative strains are inhibited.

Testing performed in accordance with ISO11133:2014


Table B.1

ISO Standard 11290-1:2017 tested in Brilliance™ Listeria Agar Base (ISO) CM1212 and Brilliance™ Listeria Differential Supplement (ISO) SR0258

Reactions after incubation at 37 ± 2°C for 24 ± 2 hours

Medium is challenged with 50-120 colony-forming units

<i>Listeria monocytogenes</i>	ATCC®13932	WDCM00021	0.5-2mm blue-green colonies with halo
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	Document Owner Department: QC	MBD-BT-SPEC-0839
		Page 3 of 4
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRILLIANCE™ LISTERIA SELECTIVE SUPPLEMENT (ISO) SR0257E		

A satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

Reactions after incubation at 37 ± 2°C for 48 ± 4 hours

Medium is challenged with 50-120 colony-forming units

<i>Listeria monocytogenes</i>	ATCC® 13932	WDCM00021	1-3mm blue-green colonies with halo
<i>Listeria monocytogenes</i>	ATCC® 35152	WDCM00109	1-3mm blue-green colonies with halo

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

Medium is challenged with 1E+03 to 1E+04 colony-forming units


<i>Listeria innocua</i>	ATCC® 33090	WDCM00017	0.5-3mm blue-green colonies without halo
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A satisfactory result is represented by good growth with a negative diagnostic reaction.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Escherichia coli</i>	ATCC® 25922	WDCM00013	No growth
<i>Escherichia coli</i>	ATCC® 8739	WDCM00012	No growth
<i>Enterococcus faecalis</i>	ATCC® 29212	WDCM00087	No growth
<i>Enterococcus faecalis</i>	ATCC® 19433	WDCM00009	No growth

Negative strains are inhibited.

	Document Owner Department: QC	MBD-BT-SPEC-0839
		Page 4 of 4
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRILLIANCE™ LISTERIA SELECTIVE SUPPLEMENT (ISO) SR0257E		

Revision History

Section / Step	Description of Change	Reason for Change	Reference
All	Creation of new MBD-BT-SPEC	New product SKU	N/A