

# Certificate of Analysis



**Product Code:** LIS1-0480  
**Product:** Solus ONE *Listeria* (5 plate)  
**LOT / Batch:** NDL027  
**Date of Manufacture:** 09.08.2021  
**Expiry Date:** 08.02.2023

This batch has been quality control tested to the following criteria:

Batch homogeneity: CV% < 10%.  
A panel of 9 non- *Listeria* spp: Satisfactory  
A panel of 11 *Listeria* spp: Satisfactory

## Performance of In house Reference Standards

Sample	Net Signal OD	OD Specification
D8 <i>L. monocytogenes</i> 4a LMG16783 5x10 <sup>4</sup>	1.456	>0.500
D8 <i>L. monocytogenes</i> 4a LMG16783 1x10 <sup>5</sup>	2.028	>1.500
D8 <i>L. monocytogenes</i> 4a LMG16783 1x10 <sup>6</sup>	>2.500	>2.000
G3 <i>L. innocua</i> wild type 5x10 <sup>4</sup>	0.963	>0.500
G3 <i>L. innocua</i> wild type 1x10 <sup>5</sup>	1.609	>1.500
G3 <i>L. innocua</i> wild type 1x10 <sup>6</sup>	>2.500	>2.000
D6 <i>L. welshimeri</i> LMG11389 5x10 <sup>4</sup>	>2.500	>0.500
D6 <i>L. welshimeri</i> LMG11389 1x10 <sup>5</sup>	>2.500	>1.400
D6 <i>L. welshimeri</i> LMG11389 1x10 <sup>6</sup>	>2.500	>2.000

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Net Optical Densities of samples grown in SOLO+ at 30.0°C for 24 hours and boiled at 85-100°C for 20 minutes. Listeria cultures are diluted 1:100 in SOLO+ prior to analysis.

	1	2	3
A	Negative control 0.017	<i>D7 L. monocytogenes</i> >2.500	<i>E8 Brochothrix thermosphacta</i> 0.019
B	Positive control >2.500	<i>D8 L. monocytogenes</i> >2.500	<i>E9 Bacillus cereus</i> 0.018
C	Substrate blank 0.043	<i>D9 L. monocytogenes</i> >2.500	<i>E6 Enterococcus faecalis</i> 0.014
D	<i>G10 L. innocua</i> >2.500	<i>C10 L. monocytogenes</i> >2.500	<i>A8 Escherichia coli</i> 0.016
E	<i>D5 L. ivanovii</i> >2.500	<i>AH10 L. ivanovii londoniensis</i> >2.500	<i>C1 Staphylococcus aureus</i> 0.020
F	<i>D6 L. welshimeri</i> >2.500	<i>G3 L. innocua</i> >2.500	<i>E2 Escherichia coli (Wild Type)</i> 0.014
G	<i>D2 L. grayii</i> >2.500	<i>F1 Streptococcus bovis</i> 0.021	<i>F10 Enterococcus faecalis (Wild type)</i> 0.020
H	<i>D1 L. monocytogenes</i> >2.500	<i>E7 Kurthia zopfii</i> 0.020	Absorbances read at 450nm

Production Batch is approved for release as it gives satisfactory QC performance.

Signed: Technical director/Operations Manager/Quality Manager

Date: 16/8/21