

# Certificate of Analysis



**Product Code:** LIS1-0480  
**Product:** Solus ONE *Listeria* (5 plate)  
**LOT / Batch:** NDL024  
**Date of Manufacture:** 15.03.2021  
**Expiry Date:** 02.08.2022

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>	1.250	>0.500
D8 <i>L. monocytogenes</i> 4a LMG16783 1x10 <sup>5</sup>	>2.500	>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>	>2.500	>0.500
G3 <i>L. innocua</i> wild type 1x10 <sup>5</sup>	>2.500	>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>	1.596	>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 0.004	D7 <i>L. monocytogenes</i> >2.500	E8 <i>Brochothrix thermosphacta</i> 0.007
B	Positive control >2.500	D8 <i>L. monocytogenes</i> >2.500	E9 <i>Bacillus cereus</i> 0.009
C	Substrate blank 0.048	D9 <i>L. monocytogenes</i> >2.500	E6 <i>Enterococcus faecalis</i> 0.007
D	G10 <i>L. innocua</i> >2.500	C10 <i>L. monocytogenes</i> >2.500	A8 <i>Escherichia coli</i> 0.038
E	D5 <i>L. ivanovii</i> >2.500	AH10 <i>L. ivanovii londoniensis</i> >2.500	C1 <i>Staphylococcus aureus</i> 0.020
F	D6 <i>L. welshimeri</i> >2.500	G3 <i>L. innocua</i> >2.500	E2 <i>Escherichia coli</i> (Wild Type) 0.013
G	D2 <i>L. grayii</i> >2.500	F1 <i>Streptococcus bovis</i> 0.009	F10 <i>Enterococcus faecalis</i> (Wild type) 0.020
H	D1 <i>L. monocytogenes</i> >2.500	E7 <i>Kurthia zopfii</i> 0.010	Absorbances read at 450nm

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

Signed: Technical director/~~Finance Leader~~/Quality Manager

Date: 23/3/21.