

## Certificate of Analysis

<b>Product Code:</b>	<b>LIS1-0480</b>
<b>Product:</b>	Solus ONE <i>Listeria</i> ELISA (5 plate)
<b>LOT/Batch:</b>	<b>NDL009</b>
<b>Date of Manufacture/Test:</b>	<b>14.08.2018</b>
<b>Expiry Date:</b>	<b>13.11.2019 (3 month extension to shelf life)</b>

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

Batch homogeneity: CV%	< 10%.
A panel of 10 non- <i>Listeria spp.</i>	<u>Satisfactory</u>
A panel of 9 <i>Listeria spp</i>	<u>Satisfactory</u>

### Performance of In house Reference Standards

Sample	Net Signal OD	OD Specification
<i>L. monocytogenes</i> 4a LMG16783 5x10 <sup>4</sup>	>2.500	>0.250
<i>L. monocytogenes</i> 4a LMG16783 10 <sup>5</sup>	>2.500	>0.500
<i>L. monocytogenes</i> 4a LMG16783 10 <sup>6</sup>	>2.500	>2.000
<i>L. innocua</i> wild type 5x10 <sup>4</sup>	1.743	>0.250
<i>L. innocua</i> wild type 10 <sup>5</sup>	>2.500	>0.500
<i>L. innocua</i> wild type 10 <sup>6</sup>	>2.500	>2.000
<i>L. welshimeri</i> LMG11389 5x10 <sup>4</sup>	>2.500	>0.250
<i>L. welshimeri</i> LMG11389 10 <sup>5</sup>	>2.500	>0.500
<i>L. welshimeri</i> LMG11389 10 <sup>6</sup>	>2.500	>2.000

**Solus Scientific Solutions Ltd**

9 Mansfield Networkcentre, Millennium Business Park, Concorde Way, Mansfield, Nottinghamshire NG19 7JZ

**Tel** +44 (0)1623 429701 **Fax** +44 (0)1623 620977 **Email** enquiries@solusscientific.com

**Web** www.solusscientific.com

**Registered Address:** East Kilbride Laboratory, Torus Building, Rankine Avenue, East Kilbride, Glasgow, Lanarkshire G75 0QF Company Reg. No. SC361616, Registered in Scotland VAT No 982 2304 24

Net Optical Densities of samples grown in SOLO+ at 30.0°C for 24 hours and boiled at 85-100°C for 20 minutes.

	1	2	3
A	Negative control 0.029	<i>D5 L. ivanovii</i> >2.500	<i>E9 Bacillus cereus</i> 0.008
B	Positive control >2.500	<i>D9 L. monocytogenes</i> >2.500	<i>A8 E. coli</i> 0.011
C	Substrate blank 0:047	<i>D8 L. monocytogenes</i> >2.500	<i>C1 Staphylococcus aureus</i> 0.020
D	<i>C10 L. monocytogenes</i> >2.500	<i>D7 L. monocytogenes</i> >2.500	<i>E2 E. coli (WT)</i> 0.008
E	<i>G10 L. innocua</i> >2.500	<i>AH10 L. ivanovii londoniensis</i> >2.500	<i>N1 Bacillus licheniformis</i> 0.009
F	<i>D2 L. grayii (BHIB)</i> >2.500	<i>M6 Bacillus spp (WT)</i> 0.011	<i>E6 Enterococcus faecalis</i> 0.010
G	<i>D1 L. monocytogenes</i> >2.500	<i>F1 Streptococcus bovis</i> 0.015	Absorbances read at 450nm
H	<i>D6 L. welshimeri</i> >2.500	<i>F10 Enterococcus faecalis (WT)</i> 0.009	

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

Signed: ~~Operations director/~~Technical director/CEO



Date: 25/4/19.

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