

## 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>NDL011</b>
<b>Date of Manufacture/Test:</b>	<b>21.01.2019</b>
<b>Expiry Date:</b>	<b>20.01.2020</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	>0.500
<i>L. monocytogenes</i> 4a LMG16783 10 <sup>5</sup>	>2.500	>1.500
<i>L. monocytogenes</i> 4a LMG16783 10 <sup>6</sup>	>2.500	>2.000
<i>L. innocua</i> wild type 5x10 <sup>4</sup>	>2.500	>0.500
<i>L. innocua</i> wild type 10 <sup>5</sup>	>2.500	>1.500
<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	>0.500
<i>L. welshimeri</i> LMG11389 10 <sup>5</sup>	>2.500	>1.400
<i>L. welshimeri</i> LMG11389 10 <sup>6</sup>	>2.500	>2.000

#### Solus Scientific Solutions Ltd

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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.

	1	2	3
A	Negative control 0.034	<i>D5 L. ivanovii</i> >2.500	<i>E9 Bacillus cereus</i> 0.044
B	Positive control >2.500	<i>D9 L. monocytogenes</i> >2.500	<i>A8 E. coli</i> 0.040
C	Substrate blank 0.061	<i>D8 L. monocytogenes</i> >2.500	<i>C1 Staphylococcus aureus</i> 0.040
D	<i>C10 L. monocytogenes</i> >2.500	<i>D7 L. monocytogenes</i> >2.500	<i>E2 E. coli (WT)</i> 0.023
E	<i>G10 L. innocua</i> >2.500	<i>AH10 L. ivanovii londoniensis</i> >2.500	<i>N1 Bacillus licheniformis</i> 0.018
F	<i>D2 L. grayii (BHIB)</i> >2.500	<i>M6 Bacillus spp (WT)</i> 0.021	<i>E6 Enterococcus faecalis</i> 0.039
G	<i>D1 L. monocytogenes</i> >2.500	<i>F1 Streptococcus bovis</i> 0.039	Absorbances read at 450nm
H	<i>D6 L. welshimeri</i> >2.500	<i>F10 Enterococcus faecalis</i> (WT) 0.028	

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

Signed: Operations director/Technical director/CEO



Date: 30/1/19.

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