

## Certificate of Analysis

**Product Code:** LIS-0480S  
**Product:** Solus *Listeria* ELISA (5 plate)  
**LOT/Batch:** EL102  
**Date of Manufacture/Test:** 21.05.2018  
**Expiry Date:** 20.05.2019

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

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

### Performance of In house Reference Standards

Sample (cfu/ml)	Net Signal OD	OD Specification
D9 <i>L. monocytogenes</i> LMG 16780 10 <sup>6</sup>	0.289	>0.200
D9 <i>L. monocytogenes</i> LMG 16780 10 <sup>7</sup>	1.874	>1.500
C10 <i>L. monocytogenes</i> ATCC 13932 10 <sup>6</sup>	0.212	>0.200
C10 <i>L. monocytogenes</i> ATCC 13932 10 <sup>7</sup>	1.649	>1.500
D8 <i>L. monocytogenes</i> ATCC 19114 10 <sup>6</sup>	0.203	>0.200
D8 <i>L. monocytogenes</i> ATCC 19114 10 <sup>7</sup>	1.546	>1.500
D7 <i>L. monocytogenes</i> ATCC 19111 10 <sup>6</sup>	0.237	>0.200
D7 <i>L. monocytogenes</i> ATCC 19111 10 <sup>7</sup>	1.569	>1.500
G3 <i>L. innocua</i> (wild type) 10 <sup>6</sup>	0.226	>0.200
G3 <i>L. innocua</i> (wild type) 10 <sup>7</sup>	1.798	>1.500

#### 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 RELM at 30.0°C for 24 hours and boiled at 85-100°C for 20 minutes.

	1	2	3
A	Negative control 0.053	<i>D5 L. ivanovii</i> >2.500	<i>E9 Bacillus cereus</i> 0.058
B	Positive control >2.500	<i>D9 L. monocytogenes</i> >2.500	<i>A8 E. coli</i> 0.068
C	Substrate blank 0.064	<i>D8 L. monocytogenes</i> >2.500	<i>C1 Staphylococcus aureus</i> 0.069
D	<i>C10 L. monocytogenes</i> >2.500	<i>D7 L. monocytogenes</i> 2.263	<i>E2 E. coli (WT)</i> 0.043
E	<i>G10 L. innocua</i> >2.500	<i>D10 L. seeligeri</i> >2.500	<i>E8 Brochothrix thermosphacta</i> 0.045
F	<i>D2 L. grayii (BHIB)</i> 1.811	<i>E7 Kurthia zopfii</i> 0.067	<i>E6 Enterococcus faecalis</i> 0.068
G	<i>D1 L. monocytogenes</i> >2.500	<i>F1 Streptococcus bovis</i> 0.045	Absorbances read at 450nm
H	<i>D6 L. welshimeri</i> >2.500	<i>F10 Enterococcus faecalis</i> (WT) 0.065	

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

Signed: Operations director/Technical director/CEO

Date:

 30/5/19

**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