

Certificate of Analysis



Product Code: LIS-0480S
Product: Solus *Listeria* ELISA (5 plate)
LOT / Batch: EL164
Date of Manufacture: 25th October 2021
Expiry Date: 24th January 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 (cfu/ml)	Net Signal OD	OD Specification
C10 <i>L. monocytogenes</i> ATCC 13932 10 ⁶	1.372	>0.400
C10 <i>L. monocytogenes</i> ATCC 13932 10 ⁷	>2.500	>2.000
D5 <i>L. ivanovii</i> ATCC 19119 10 ⁶	0.450	>0.250
D5 <i>L. ivanovii</i> ATCC 19119 10 ⁷	>2.500	>2.000
D6 <i>L. welshimeri</i> ATCC 35897 10 ⁶	2.079	>1.500
D6 <i>L. welshimeri</i> ATCC 35897 10 ⁷	>2.500	>2.000
D7 <i>L. monocytogenes</i> ATCC 19111 10 ⁶	0.907	>0.400
D7 <i>L. monocytogenes</i> ATCC 19111 10 ⁷	>2.500	>2.000
G3 <i>L. innocua</i> (wild type) 10 ⁶	0.737	>0.250
G3 <i>L. innocua</i> (wild type) 10 ⁷	>2.500	>2.000

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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 0.024	D7 <i>L. monocytogenes</i> >2.500	E8 <i>Brochothrix thermosphacta</i> 0.022
B	Positive control >2.500	D8 <i>L. monocytogenes</i> >2.500	E9 <i>Bacillus cereus</i> 0.024
C	Substrate blank 0.043	D9 <i>L. monocytogenes</i> >2.500	E6 <i>Enterococcus faecalis</i> 0.023
D	G10 <i>L. innocua</i> >2.500	C10 <i>L. monocytogenes</i> >2.500	AT5 <i>Bacillus brevis</i> (Wild type) 0.027
E	D5 <i>L. ivanovii</i> >2.500	D10 <i>L. seeligeri</i> 0.533	C1 <i>Staphylococcus aureus</i> 0.024
F	D6 <i>L. welshimeri</i> >2.500	G3 <i>L. innocua</i> >2.500	AT6 <i>Bacillus cereus</i> (Wild type) 0.032
G	D2 <i>L. grayii</i> >2.500	F1 <i>Streptococcus bovis</i> 0.025	F10 <i>Enterococcus faecalis</i> (Wild type) 0.026
H	D1 <i>L. monocytogenes</i> >2.500	E7 <i>Kurthia zopfii</i> 0.023	Absorbances read at 450nm

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

Signed: Technical director/Operations Manager/Quality Manager

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Date: 2/11/21.