

Certificate of Analysis



Product Code: LIS1-0096
Product: Solus ONE *Listeria* (1 plate)
LOT / Batch: NDL017
Date of Manufacture: 29.06.2020
Expiry Date: 28.12.2021

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
<i>D8 L. monocytogenes</i> 4a LMG16783 5x10 ⁴	1.544	>0.500
<i>D8 L. monocytogenes</i> 4a LMG16783 1x10 ⁵	>2.500	>1.500
<i>D8 L. monocytogenes</i> 4a LMG16783 1x10 ⁶	>2.500	>2.000
<i>G3 L. innocua</i> wild type 5x10 ⁴	0.655	>0.500
<i>G3 L. innocua</i> wild type 1x10 ⁵	2.232	>1.500
<i>G3 L. innocua</i> wild type 1x10 ⁶	>2.500	>2.000
<i>D6 L. welshimeri</i> LMG11389 5x10 ⁴	>2.500	>0.500
<i>D6 L. welshimeri</i> LMG11389 1x10 ⁵	>2.500	>1.400
<i>D6 L. welshimeri</i> LMG11389 1x10 ⁶	>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 0.013	D7 <i>L. monocytogenes</i> >2.500	E8 <i>Brochothrix thermosphacta</i> 0.029
B	Positive control >2.500	D8 <i>L. monocytogenes</i> >2.500	E9 <i>Bacillus cereus</i> 0.033
C	Substrate blank 0.044	D9 <i>L. monocytogenes</i> >2.500	E6 <i>Enterococcus faecalis</i> 0.026
D	G10 <i>L. innocua</i> >2.500	C10 <i>L. monocytogenes</i> >2.500	A8 <i>Escherichia coli</i> 0.022
E	D5 <i>L. ivanovii</i> >2.500	AH10 <i>L. ivanovii londoniensis</i> >2.500	C1 <i>Staphylococcus aureus</i> 0.033
F	D6 <i>L. welshimeri</i> >2.500	G3 <i>L. innocua</i> >2.500	E2 <i>Escherichia coli</i> (Wild Type) 0.016
G	D2 <i>L. grayii</i> >2.500	F1 <i>Streptococcus bovis</i> 0.028	F10 <i>Enterococcus faecalis</i> (Wild type) 0.021
H	D1 <i>L. monocytogenes</i> >2.500	E7 <i>Kurthia zopfii</i> 0.039	Absorbances read at 450nm

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

Signed: Technical director/Operations Manager/Quality Manager

Date: 27/7/21.