

## Certificate of Analysis

<b>Product Code:</b>	<b>SAL-0480S</b>
<b>Product:</b>	Solus <i>Salmonella</i> ELISA (5 plate)
<b>LOT/Batch:</b>	<b>ES155</b>
<b>Date of Manufacture/Test:</b>	<b>02.12.2019</b>
<b>Expiry Date:</b>	<b>01.12.2020</b>

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

Batch homogeneity CV%:	<10%
A panel of 8 non- <i>Salmonella</i> spp:	<u>Satisfactory</u>
A panel of 26 <i>Salmonella</i> spp:	<u>Satisfactory</u>

### Performance of In-house Reference Standards

Sample	Net Signal OD	OD Specification
B6 <i>Salmonella</i> Enteritidis 10 <sup>6</sup> per ml	1.580	>1.000
B6 <i>Salmonella</i> Enteritidis 10 <sup>7</sup> per ml	>2.500	>2.000
B7 <i>Salmonella</i> Typhimurium 10 <sup>6</sup> per ml	2.006	>0.750
B7 <i>Salmonella</i> Typhimurium 10 <sup>7</sup> per ml	>2.500	>2.000
B2 <i>Salmonella</i> Nottingham 10 <sup>6</sup> per ml	0.819	>0.200
B2 <i>Salmonella</i> Nottingham 10 <sup>7</sup> per ml	1.949	>0.750

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Net Optical Densities of samples grown in RVS at 41.5°C for 24 hours and boiled at 85-100°C for 20 minutes

	1	2	3	4	5
A	Negative control 0.051	<i>Klebsiella pneumonia</i> 0.042	<i>Salmonella</i> Nima >2.500	<i>Salmonella</i> Ealing 0.732	<i>Salmonella</i> Typhimurium (non- motile wild type) >2.500
B	Positive control >2.500	<i>Shigella sonnei</i> 0.040	<i>Salmonella</i> Essen >2.500	<i>Salmonella</i> Kirkee 2.499	<i>Salmonella</i> Hofit 2.400
C	Substrate blank 0.059	<i>Serratia liquifaciens</i> 0.046	<i>Salmonella</i> Newport (wild type) >2.500	<i>Salmonella</i> Abaetatuba 2.466	<i>Salmonella</i> Menston 2.184
D	<i>Staph. aureus</i> 0.048	<i>Salmonella</i> Heves 2.142	<i>Salmonella</i> Dublin >2.500	<i>Salmonella</i> Bracknell >2.500	<i>Salmonella</i> Minnesota >2.500
E	<i>Citrobacter freundii</i> 0.048	<i>Salmonella</i> Seftenberg >2.500	<i>Salmonella</i> Anatum >2.500	<i>Salmonella</i> Gallinarum (wild type) 2.306	<i>Salmonella</i> Kentucky >2.500
F	<i>Serratia marcescens</i> 0.045	<i>Salmonella</i> Poona 2.311	<i>Salmonella</i> Aschesleben >2.500	<i>Salmonella</i> Tranaroa >2.500	Absorbances read at 450nm
G	<i>E. coli</i> 0.046	<i>Salmonella</i> Hadar 2.393	<i>Salmonella arizonae</i> NCTC 7349 0.616	<i>Salmonella</i> Virchow >2.500	
H	<i>Proteus mirabilis</i> 0.043	<i>Salmonella</i> Dahlem >2.500	<i>Salmonella</i> Nitra >2.500	<i>Salmonella</i> Dugbe >2.500	

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

Signed: Operations director/Technical director/CEO



Date: 10/12/19.

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