

## 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>ES157</b>
<b>Date of Manufacture/Test:</b>	<b>13.01.2020</b>
<b>Expiry Date:</b>	<b>12.01.2021</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	1.917	>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	1.465	>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	0.762	>0.200
B2 <i>Salmonella</i> Nottingham 10 <sup>7</sup> per ml	2.356	>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 0.028	<i>Klebsiella pneumonia</i> 0.025	<i>Salmonella</i> Nima >2.500	<i>Salmonella</i> Ealing 0.593	<i>Salmonella</i> Typhimurium (non- motile wild type) >2.500
B	Positive control >2.500	<i>Shigella sonnei</i> 0.027	<i>Salmonella</i> Essen >2.500	<i>Salmonella</i> Kirkee 2.148	<i>Salmonella</i> Hofit 1.824
C	Substrate blank 0.057	<i>Serratia liquifaciens</i> 0.027	<i>Salmonella</i> Newport (wild type) 1.734	<i>Salmonella</i> Abaetatuba 2.285	<i>Salmonella</i> Menston 1.775
D	<i>Staph. aureus</i> 0.028	<i>Salmonella</i> Heves 1.557	<i>Salmonella</i> Dublin >2.500	<i>Salmonella</i> Bracknell >2.500	<i>Salmonella</i> Minnesota 1.789
E	<i>Citrobacter freundii</i> 0.031	<i>Salmonella</i> Seftenberg >2.500	<i>Salmonella</i> Anatum >2.500	<i>Salmonella</i> Gallinarum (wild type) 2.451	<i>Salmonella</i> Kentucky 2.040
F	<i>Serratia marcescens</i> 0.031	<i>Salmonella</i> Poona 2.474	<i>Salmonella</i> Aschesleben >2.500	<i>Salmonella</i> Tranaroa >2.500	Absorbances read at 450nm
G	<i>E. coli</i> 0.027	<i>Salmonella</i> Hadar >2.500	<i>Salmonella arizonae</i> NCTC 7349 0.256	<i>Salmonella</i> Virchow 2.129	
H	<i>Proteus mirabilis</i> 0.018	<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:

21/1/2020

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