

## 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>ES156</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	1.328	>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	1.998	>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	0.914	>0.200
B2 <i>Salmonella</i> Nottingham 10 <sup>7</sup> per ml	2.162	>0.750

**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 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 0.033	<i>Klebsiella pneumonia</i> 0.029	<i>Salmonella</i> Nima >2.500	<i>Salmonella</i> Ealing 0.635	<i>Salmonella</i> Typhimurium (non- motile wild type) >2.500
B	Positive control >2.500	<i>Shigella sonnei</i> 0.033	<i>Salmonella</i> Essen >2.500	<i>Salmonella</i> Kirkee 2.353	<i>Salmonella</i> Hofit 1.788
C	Substrate blank 0.061	<i>Serratia liquifaciens</i> 0.032	<i>Salmonella</i> Newport (wild type) >2.500	<i>Salmonella</i> Abaetatuba >2.500	<i>Salmonella</i> Menston 1.940
D	<i>Staph. aureus</i> 0.032	<i>Salmonella</i> Heves 1.807	<i>Salmonella</i> Dublin >2.500	<i>Salmonella</i> Bracknell >2.500	<i>Salmonella</i> Minnesota 2.235
E	<i>Citrobacter freundii</i> 0.032	<i>Salmonella</i> Seftenberg >2.500	<i>Salmonella</i> Anatum >2.500	<i>Salmonella</i> Gallinarum (wild type) 2.237	<i>Salmonella</i> Kentucky >2.500
F	<i>Serratia marcescens</i> 0.036	<i>Salmonella</i> Poona 2.039	<i>Salmonella</i> Aschesleben >2.500	<i>Salmonella</i> Tranaroa >2.500	Absorbances read at 450nm
G	<i>E. coli</i> 0.030	<i>Salmonella</i> Hadar 2.352	<i>Salmonella arizonae</i> NCTC 7349 0.333	<i>Salmonella</i> Virchow >2.500	
H	<i>Proteus mirabilis</i> 0.026	<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.

**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