

Certificate of Analysis

Product Code: SAL1-0480
Product: Solus ONE *Salmonella* (5 plate)
LOT/Batch: NDS015
Date of Manufacture/Test: 04.05.2020
Expiry Date: 03.05.2021

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

Batch homogeneity CV%: < 10%
 A panel of 8 non- *Salmonella* spp: Satisfactory
 A panel of 23 *Salmonella* spp: Satisfactory

Performance of In house Reference Standards

Sample	Net Signal OD	OD Specification
<i>B6 Salmonella</i> Enteritidis 10 ⁵ per ml	1.982	>0.500
<i>B6 Salmonella</i> Enteritidis 10 ⁶ per ml	>2.500	>1.450
<i>B7 Salmonella</i> Typhimurium 10 ⁵ per ml	0.687	>0.500
<i>B7 Salmonella</i> Typhimurium 10 ⁶ per ml	>2.500	>1.450

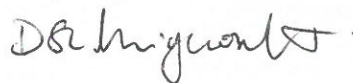
Net Optical Densities of cultures grown in Solus ONE™ *Salmonella* enrichment buffer at 41.5°C for 20 hours and boiled at 85-100°C for 20 minutes. *Salmonella* cultures only are further diluted 1:10 in the Solus ONE™

Salmonella enrichment buffer prior to analysis.

	1	2	3	4	5
A	Negative control 0.009	<i>Klebsiella pneumoniae</i> 0.008	<i>Salmonella arizonae</i> NCTC 7349 – >2.500	<i>Salmonella</i> Mississippi >2.500	<i>Salmonella</i> Minnesota >2.500
B	Positive control >2.500	<i>Shigella sonnei</i> 0.009	<i>Salmonella</i> Brazil >2.500	<i>Salmonella</i> Typhimurium (Non-motile) - >2.500	<i>Salmonella</i> Dahlem >2.500
C	Substrate blank 0.043	<i>Serratia liquifaciens</i> 0.009	<i>Salmonella</i> Kirkee >2.500	<i>Salmonella</i> Nima >2.500	Absorbances read at 450nm
D	<i>Staphylococcus aureus</i> 0.002	<i>Salmonella</i> Heves >2.500	<i>Salmonella</i> Abaetetuba >2.500	<i>Salmonella</i> Aschersleben >2.500	
E	<i>Citrobacter freundii</i> 0.010	<i>Salmonella</i> Poona >2.500	<i>Salmonella</i> Gallinarum >2.500	<i>Salmonella</i> Champaign >2.500	
F	<i>Serratia marcescens</i> 0.005	<i>Salmonella</i> Newport >2.500	<i>Salmonella</i> Kedougou >2.500	<i>Salmonella</i> Dugbe >2.500	
G	<i>E. coli</i> 0.011	<i>Salmonella</i> Anatum >2.500	<i>Salmonella</i> Tranaroa >2.500	<i>Salmonella</i> Duval >2.500	
H	<i>Proteus mirabilis</i> 0.011	<i>Salmonella</i> Adelaide 0.767	<i>Salmonella</i> Virchow >2.500	<i>Salmonella</i> Inverness >2.500	

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

Signed: ~~Operations director/Technical director/CEO~~



Date: 25/5/20.

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 0GF Company Reg. No. SC361616, Registered in Scotland VAT No 982 2304 24