

Certificate of Analysis



Product Code: SAL-0480S
Product: Solus *Salmonella* ELISA (5 plate)
LOT / Batch: ES181
Date of Manufacture: 01st November 2021
Expiry Date: 31st January 2023

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 26 *Salmonella* spp: Satisfactory

Performance of In-house Reference Standards

Sample	Net Signal OD	OD Specification
<i>B6 Salmonella</i> Enteritidis 10 ⁶ per ml	>2.500	>1.000
<i>B6 Salmonella</i> Enteritidis 10 ⁷ per ml	>2.500	>2.000
<i>B7 Salmonella</i> Typhimurium 10 ⁶ per ml	>2.500	>0.750
<i>B7 Salmonella</i> Typhimurium 10 ⁷ per ml	>2.500	>2.000
<i>B2 Salmonella</i> Nottingham 10 ⁶ per ml	0.381	>0.350
<i>B2 Salmonella</i> Nottingham 10 ⁷ per ml	1.858	>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 0.044	A10 <i>Klebsiella pneumoniae</i> 0.044	AH9 <i>Salmonella</i> Nima >2.500	E1 <i>Salmonella</i> Ealing 0.575	AA1 <i>Salmonella</i> Typhimurium (non- motile wild type) >2.500
B	Positive control >2.500	E4 <i>Shigella sonnei</i> 0.045	B8 <i>Salmonella</i> Essen >2.500	B9 <i>Salmonella</i> Kirkee 2.486	A16 <i>Salmonella</i> Hofit 0.815
C	Substrate blank 0.049	E5 <i>Serratia liquifaciens</i> 0.044	AJ9 <i>Salmonella</i> Newport (wild type) 2.433	J8 <i>Salmonella</i> Abaetatuba >2.500	AJ6 <i>Salmonella</i> Menston >2.500
D	A2 <i>Staph. aureus</i> 0.068	B5 <i>Salmonella</i> Heves >2.500	D3 <i>Salmonella</i> Dublin >2.500	J7 <i>Salmonella</i> Bracknell >2.500	V9 <i>Salmonella</i> Minnesota >2.500
E	I3 <i>Citrobacter freundii</i> 0.059	B4 <i>Salmonella</i> Seftenberg 2.417	C5 <i>Salmonella</i> Anatum >2.500	J9 <i>Salmonella</i> Gallinarum (wild type) >2.500	AM9 <i>Salmonella</i> Kentucky >2.500
F	A7 <i>Serratia marcescens</i> 0.045	B3 <i>Salmonella</i> Poona >2.500	AH8 <i>Salmonella</i> Aschersleben 1.416	J10 <i>Salmonella</i> Tranaroa 2.291	Absorbances read at 450nm
G	A8 <i>E. coli</i> 0.068	T10 <i>Salmonella</i> Hadar >2.500	I5 <i>Salmonella arizonae</i> 0.375	K10 <i>Salmonella</i> Virchow >2.500	
H	A9 <i>Proteus mirabilis</i> 0.046	T4 <i>Salmonella</i> Dahlem >2.500	C2 <i>Salmonella</i> Nitra >2.500	T7 <i>Salmonella</i> Dugbe >2.500	

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

Signed: Technical director/Operations Manager/Quality Manager

Date: 9/11/21.