

# Certificate of Analysis



**Product Code:** SAL-0480S  
**Product:** Solus *Salmonella* ELISA (5 plate)  
**LOT / Batch:** ES174  
**Date of Manufacture:** 20.04.2021  
**Expiry Date:** 19.07.2022

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
B6 <i>Salmonella</i> Enteritidis 10 <sup>6</sup> per ml	>2.500	>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	0.811	>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	1.436	>0.350
B2 <i>Salmonella</i> Nottingham 10 <sup>7</sup> per ml	>2.500	>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 0.035	A10 <i>Klebsiella pneumoniae</i> 0.029	AH9 <i>Salmonella</i> Nima 2.366	E1 <i>Salmonella</i> Ealing 0.571	AA1 <i>Salmonella</i> Typhimurium (non- motile wild type) >2.500
B	Positive control >2.500	E4 <i>Shigella sonnei</i> 0.033	B8 <i>Salmonella</i> Essen >2.500	B9 <i>Salmonella</i> Kirkee >2.500	A16 <i>Salmonella</i> Hofit 1.671
C	Substrate blank 0.049	E5 <i>Serratia liquifaciens</i> 0.028	AJ9 <i>Salmonella</i> Newport (wild type) >2.500	J8 <i>Salmonella</i> Abaetatuba >2.500	AJ6 <i>Salmonella</i> Menston 2.281
D	A2 <i>Staph. aureus</i> 0.036	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> 0.036	B4 <i>Salmonella</i> Seftenberg >2.500	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> 0.033	B3 <i>Salmonella</i> Poona >2.500	AH8 <i>Salmonella</i> Aschersleben 1.055	J10 <i>Salmonella</i> Tranaroa 2.027	Absorbances read at 450nm
G	A8 <i>E. coli</i> 0.037	T10 <i>Salmonella</i> Hadar >2.500	I5 <i>Salmonella arizonae</i> 0.391	K10 <i>Salmonella</i> Virchow >2.500	
H	A9 <i>Proteus mirabilis</i> 0.030	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/Finance Leader/Quality Manager

Date: 30/4/21.