

Certificate of Analysis



Product Code: EC-048S
Product: Solus *E. coli* O157 ELISA (1 plate)
LOT / Batch: EE038
Date of Manufacture: 21st February 2022
Expiry Date: 20th August 2023

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

Batch homogeneity CV%: < 10%.
A panel of 8 non - *E. coli* O157 *Enterobacteriaceae* spp: Satisfactory
Non-toxicogenic *E. coli* O157 NCTC 12900: Satisfactory

Performance of In house Reference Standards

Sample	Net Signal OD	Specification OD
F2 <i>E. coli</i> O157 ~10 ⁴ cfu/ml	0.683	>0.300
F2 <i>E. coli</i> O157 ~10 ⁵ cfu/ml	1.522	>0.500
F2 <i>E. coli</i> O157 ~10 ⁶ cfu/ml	1.933	>1.000

Net Optical Densities read at 450nm of samples grown in mTSB + Novobiocin (20mg/L) for 20 hours at 41.5°C

	1	2
A	Negative control 0.012	<i>E5 Serratia liquifaciens</i> 0.039
B	Positive control 1.772	<i>B7 Salmonella Typhimurium</i> 0.018
C	Substrate blank 0.044	<i>A8 E. coli</i> 0.002
D	<i>F2 E. coli</i> O157 NCTC 12900 1.865	<i>E2 E. coli</i> (Wild Type) 0.035
E	<i>A9 Proteus mirabilis</i> 0.011	Absorbances read at 450nm
F	<i>I3 Citrobacter freundii</i> 0.032	
G	<i>A10 Klebsiella pneumoniae</i> 0.040	
H	<i>E4 Shigella sonnei</i> 0.025	

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

Signed: Technical director/Operations Manager/Quality Manager

Date:

29/2/22.

