

Certificate of Analysis



Product Code: EC-048S
Product: Solus *E. coli* O157 ELISA (1 plate)
LOT / Batch: EE046
Date of Manufacture: 31 JUL 2023
Expiry Date: 30 JAN 2025

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	0.773	>0.300
F2 <i>E. coli</i> O157 ~10 ⁵ cfu/ml	1.693	>0.500
F2 <i>E. coli</i> O157 ~10 ⁶ cfu/ml	2.072	>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 0.002	<i>E5 Serratia liquifaciens</i> 0.004
B	Positive control 1.974	<i>B7 Salmonella Typhimurium</i> 0.003
C	Substrate blank 0.053	<i>A8 E. coli</i> 0.047
D	<i>F2 E. coli</i> O157 NCTC 12900 1.743	<i>E2 E. coli</i> (Wild Type) 0.002
E	<i>A9 Proteus mirabilis</i> 0.003	Absorbances read at 450nm
F	<i>I3 Citrobacter freundii</i> 0.002	
G	<i>A10 Klebsiella pneumoniae</i> 0.001	
H	<i>E4 Shigella sonnei</i> 0.001	

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

Signed: Technical director/~~Operations~~ Manager/~~Quality~~ Manager

Date: *DS Higginbotham*
7/8/23.

