

# Certificate of Analysis



**Product Code:** EC-048S  
**Product:** Solus *E. coli* O157 ELISA (1 plate)  
**LOT / Batch:** EE036  
**Date of Manufacture:** 08<sup>th</sup> November 2021  
**Expiry Date:** 07<sup>th</sup> May 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 <sup>4</sup> cfu/ml	0.689	>0.300
F2 <i>E. coli</i> O157 ~10 <sup>5</sup> cfu/ml	1.665	>0.500
F2 <i>E. coli</i> O157 ~10 <sup>6</sup> cfu/ml	1.700	>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 0.000	<i>E5 Serratia liquifaciens</i> 0.014
B	Positive control 2.054	<i>B7 Salmonella Typhimurium</i> 0.010
C	Substrate blank 0.040	<i>A8 E. coli</i> 0.001
D	<i>F2 E. coli</i> O157 NCTC 12900 2.036	<i>E2 E. coli</i> (Wild Type) 0.022
E	<i>A9 Proteus mirabilis</i> 0.015	Absorbances read at 450nm
F	<i>I3 Citrobacter freundii</i> 0.005	
G	<i>A10 Klebsiella pneumoniae</i> 0.012	
H	<i>E4 Shigella sonnei</i> 0.008	

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

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

Date:

16/11/21.

