

Certificate of Analysis



Product Code: EC-048S
Product: Solus *E. coli* O157 ELISA (1 plate)
LOT / Batch: EE045
Date of Manufacture: 19 JUN 2023
Expiry Date: 18 DEC 2024

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 | 0.861 | >0.300 |
| F2 <i>E. coli</i> O157 ~10 ⁵ cfu/ml | 1.779 | >0.500 |
| F2 <i>E. coli</i> O157 ~10 ⁶ cfu/ml | 2.254 | >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 2.149 | <i>B7 Salmonella Typhimurium</i> 0.005 |
| C | Substrate blank 0.053 | <i>A8 E. coli</i> 0.056 |
| D | <i>F2 E. coli</i> O157 NCTC 12900 1.884 | <i>E2 E. coli</i> (Wild Type) 0.004 |
| E | <i>A9 Proteus mirabilis</i> 0.004 | 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> 0.004 | |

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

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

P. Wells

Date: 27th JUNE 2023