

Certificate of Analysis

Product Code: SAL-0480S
Product: Solus *Salmonella* ELISA (5 plate)
LOT/Batch: ES131
Date of Manufacture/Test: 04.06.2018
Expiry Date: 03.06.2019

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

Batch homogeneity CV%: <10%
 A panel of 8 non- *Salmonella* sp.: Satisfactory
 A panel of 19 *Salmonella* sp.: Satisfactory

Performance of In house Reference Standards

| Sample | Net Signal OD | OD Specification |
|---|---------------|------------------|
| B6 <i>Salmonella</i> Enteritidis 10 ⁶ per ml | >2.500 | >1.000 |
| B6 <i>Salmonella</i> Enteritidis 10 ⁷ per ml | >2.500 | >2.000 |
| B7 <i>Salmonella</i> Typhimurium 10 ⁶ per ml | 1.519 | >0.750 |
| B7 <i>Salmonella</i> Typhimurium 10 ⁷ per ml | >2.500 | >2.000 |

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 |
|---|--------------------------------------|--|---|---|
| A | Negative control 0.015 | <i>Klebsiella pneumonia</i> 0.013 | <i>Salmonella</i> Montevideo >2.500 | <i>Salmonella arizonae</i> NCTC 7349 – 0.225 |
| B | Positive control >2.500 | <i>Shigella sonnei</i> 0.004 | <i>Salmonella</i> Goldcoast 1.325 | <i>Salmonella</i> Nitra >2.500 |
| C | Substrate blank 0.052 | <i>Serratia liquifaciens</i> 0.014 | <i>Salmonella</i> Essen >2.500 | <i>Salmonella</i> Livingstone >2.500 |
| D | <i>Staph. aureus</i> 0.010 | <i>Salmonella</i> Heves >2.500 | <i>Salmonella</i> Typhimurium >2.500 | <i>Salmonella</i> Ealing 0.515 |
| E | <i>Citrobacter freundii</i> 0.007 | <i>Salmonella</i> Seftenburg >2.500 | <i>Salmonella</i> Enteritidis >2.500 | <i>Salmonella</i> Brazil >2.500 |
| F | <i>Serratia marcescens</i> 0.008 | <i>Salmonella</i> Poona >2.500 | <i>Salmonella</i> Dublin >2.500 | <i>Salmonella</i> Kirkee 1.862 |
| G | <i>E. coli</i> 0.033 | <i>Salmonella</i> Nottingham >2.500 | <i>Salmonella</i> Anatum >2.500 | Absorbances read at 450nm |
| H | <i>Proteus mirabilis</i> 0.012 | <i>Salmonella</i> Aberdeen >2.500 | <i>Salmonella</i> Adelaide 1.618 | |

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

Signed: ~~Operations director~~/Technical director/CEO



Date: 22.06.2018

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