

## Certificate of Analysis

**Product Code:** SAL-04805  
**Product:** Solus *Salmonella* ELISA (5 plate)  
**LOT/Batch:** ES138  
**Date of Manufacture/Test:** 19.11.2018  
**Expiry Date:** 18.11.2019

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 <sup>6</sup> per ml | 1.913         | >1.000           |
| B6 <i>Salmonella</i> Enteritidis 10 <sup>7</sup> per ml | >2.500        | >2.000           |
| B7 <i>Salmonella</i> Typhimurium 10 <sup>6</sup> per ml | 0.833         | >0.750           |
| B7 <i>Salmonella</i> Typhimurium 10 <sup>7</sup> per ml | 2.411         | >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<br>0.013            | <i>Klebsiella pneumonia</i><br>0.035   | <i>Salmonella</i> Montevideo<br>>2.500  | <i>Salmonella arizonae</i> NCTC<br>7349 – 0.364 |
| B | Positive control<br>>2.500           | <i>Shigella sonnei</i><br>0.051        | <i>Salmonella</i> Goldcoast<br>>2.500   | <i>Salmonella</i> Nitra<br>>2.500               |
| C | Substrate blank<br>0.066             | <i>Serratia liquifaciens</i><br>0.040  | <i>Salmonella</i> Essen<br>>2.500       | <i>Salmonella</i> Livingstone<br>>2.500         |
| D | <i>Staph. aureus</i><br>0.023        | <i>Salmonella</i> Heves<br>>2.500      | <i>Salmonella</i> Typhimurium<br>>2.500 | <i>Salmonella</i> Ealing<br>0.863               |
| E | <i>Citrobacter freundii</i><br>0.014 | <i>Salmonella</i> Seftenburg<br>>2.500 | <i>Salmonella</i> Enteritidis<br>>2.500 | <i>Salmonella</i> Brazil<br>2.182               |
| F | <i>Serratia marcescens</i><br>0.023  | <i>Salmonella</i> Poona<br>>2.500      | <i>Salmonella</i> Dublin<br>>2.500      | <i>Salmonella</i> Kirkee<br>2.133               |
| G | <i>E. coli</i><br>0.067              | <i>Salmonella</i> Nottingham<br>>2.500 | <i>Salmonella</i> Anatum<br>>2.500      | Absorbances read at<br>450nm                    |
| H | <i>Proteus mirabilis</i><br>0.013    | <i>Salmonella</i> Aberdeen<br>>2.500   | <i>Salmonella</i> Adelaide<br>1.030     |   |

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

Signed: Operations director/Technical director/CEO

Date:

 27/11/18

**Solus Scientific Solutions Ltd**

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