

Certificate of Analysis

Product Code: SAL1-0096
Product: Solus ONE *Salmonella* (1 plate)
LOT/Batch: NDS014
Date of Manufacture/Test: 21.01.2020
Expiry Date: 20.01.2021

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

Batch homogeneity CV%: <10%
 A panel of 8 non- *Salmonella* spp: Satisfactory
 A panel of 23 *Salmonella* spp: Satisfactory

Performance of In house Reference Standards

| Sample | Net Signal OD | OD Specification |
|---|---------------|------------------|
| <i>B6 Salmonella</i> Enteritidis 10 ⁵ per ml | 2.237 | >0.500 |
| <i>B6 Salmonella</i> Enteritidis 10 ⁶ per ml | >2.500 | >1.450 |
| <i>B7 Salmonella</i> Typhimurium 10 ⁵ per ml | 0.809 | >0.500 |
| <i>B7 Salmonella</i> Typhimurium 10 ⁶ per ml | >2.500 | >1.450 |

Net Optical Densities of cultures grown in Solus ONE™ *Salmonella* enrichment buffer at 41.5°C for 20 hours and boiled at 85-100°C for 20 minutes. *Salmonella* cultures only are further diluted 1:10 in the Solus ONE™

Salmonella enrichment buffer prior to analysis.

| | 1 | 2 | 3 | 4 | 5 |
|---|---------------------------------------|---------------------------------------|--|--|---------------------------------------|
| A | Negative control 0.029 | <i>Klebsiella pneumonia</i> 0.006 | <i>Salmonella arizonae</i> NCTC 7349 – >2.500 | <i>Salmonella</i> Mississippi >2.500 | <i>Salmonella</i> Minnesota >2.500 |
| B | Positive control >2.500 | <i>Shigella sonnei</i> 0.008 | <i>Salmonella</i> Brazil >2.500 | <i>Salmonella</i> Typhimurium (Non-motile) - >2.500 | <i>Salmonella</i> Dahlem >2.500 |
| C | Substrate blank 0.047 | <i>Serratia liquifaciens</i> 0.008 | <i>Salmonella</i> Kirkee >2.500 | <i>Salmonella</i> Nima >2.500 | Absorbances read at 450nm |
| D | <i>Staphylococcus aureus</i> 0.007 | <i>Salmonella</i> Heves >2.500 | <i>Salmonella</i> Abaetetuba >2.500 | <i>Salmonella</i> Aschersleben >2.500 | |
| E | <i>Citrobacter freundii</i> 0.014 | <i>Salmonella</i> Poona >2.500 | <i>Salmonella</i> Gallinarum >2.500 | <i>Salmonella</i> Champaign >2.500 | |
| F | <i>Serratia marcescens</i> 0.010 | <i>Salmonella</i> Newport >2.500 | <i>Salmonella</i> Kedougou >2.500 | <i>Salmonella</i> Dugbe >2.500 | |
| G | <i>E. coli</i> 0.012 | <i>Salmonella</i> Anatum >2.500 | <i>Salmonella</i> Tranaroa >2.500 | <i>Salmonella</i> Duval >2.500 | |
| H | <i>Proteus mirabilis</i> 0.009 | <i>Salmonella</i> Adelaide 1.021 | <i>Salmonella</i> Virchow >2.500 | <i>Salmonella</i> Inverness >2.500 | |

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

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



Date: 30/3/20

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