

Certificate of Analysis



Product Code: SAL1-0480
Product: Solus ONE *Salmonella* (5 plate)
LOT / Batch: NDS020
Date of Manufacture: 15.03.2021
Expiry Date: 02.08.2022

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
B6 <i>Salmonella</i> Enteritidis 10 ⁵ per ml	1.364	>1.000
B6 <i>Salmonella</i> Enteritidis 10 ⁶ per ml	>2.500	>2.000
B7 <i>Salmonella</i> Typhimurium 10 ⁵ per ml	1.280	>0.600
B7 <i>Salmonella</i> Typhimurium 10 ⁶ per ml	>2.500	>2.000

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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 0.007	A10 <i>Klebsiella pneumoniae</i> 0.005	I5 <i>Salmonella arizonae</i> >2.500	L9 <i>Salmonella</i> Mississippi >2.500	V9 <i>Salmonella</i> Minnesota >2.500
B	Positive control >2.500	E4 <i>Shigella sonnei</i> 0.010	C9 <i>Salmonella</i> Brazil >2.500	AA1 <i>Salmonella</i> Typhimurium (Non-motile) – >2.500	T4 <i>Salmonella</i> Dahlem >2.500
C	Substrate blank 0.047	E5 <i>Serratia liquifaciens</i> 0.009	B9 <i>Salmonella</i> Kirkee >2.500	AH9 <i>Salmonella</i> Nima >2.500	Absorbances read at 450nm
D	A2 <i>Staphylococcus aureus</i> 0.005	B5 <i>Salmonella</i> Heves >2.500	J8 <i>Salmonella</i> Abaetetuba >2.500	AH8 <i>Salmonella</i> Aschersleben >2.500	
E	I3 <i>Citrobacter freundii</i> 0.007	B3 <i>Salmonella</i> Poona >2.500	J9 <i>Salmonella</i> Gallinarum >2.500	T3 <i>Salmonella</i> Champaign >2.500	
F	A7 <i>Serratia marcescens</i> 0.005	AJ9 <i>Salmonella</i> Newport >2.500	K7 <i>Salmonella</i> Kedougou >2.500	T7 <i>Salmonella</i> Dugbe >2.500	
G	A8 <i>E. coli</i> 0.008	C5 <i>Salmonella</i> Anatum >2.500	J10 <i>Salmonella</i> Tranaroa >2.500	T8 <i>Salmonella</i> Duval >2.500	
H	A9 <i>Proteus mirabilis</i> 0.005	C4 <i>Salmonella</i> Adelaide 0.675	K10 <i>Salmonella</i> Virchow >2.500	V7 <i>Salmonella</i> Inverness >2.500	

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

Signed: Technical director/Operations Manager/Quality Manager

Date: 23/3/21