



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Horizontal method for the detection, enumeration and serotyping of *Salmonella* — Part 1: Detection of *Salmonella* spp.

Method Number: ISO-6579-1:2017

Scope of Application: This method is applicable for the detection of *Salmonella* in raw materials, environmental samples, line and finished products samples.

Description: This is a cultural confirmation method. Presumptive *Salmonella* samples or cultures are sub-cultured in a selective broth to increase the level of *Salmonella* in the selective enrichment. The selective enrichments are then cultured on selective/differential media. Suspect colonies are confirmed using biochemical tests and MALDI-TOF mass spectrometry. Somatic and flagellar serology is performed on confirmed *Salmonella* to determine the name of the serotype. Alternatively, molecular serotyping may be performed per LI-00.706 to determine the serotype name. Note: it is possible that the lab is unable to narrow down to one serovar, in which case the report will show a list of potential serovars for the sample in question.

Sample Weight Required: Isolate samples/Presumptive samples

Method Reference: ISO 6579-1:2017 (E)

Analytical Platform: Cultural Method

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Salmonella Final		N/A	Detected / Not Detected	N/A
Salmonella Serovar		N/A	Serovar name	N/A