METHOD SUMMARY – QWI-FM0002

Method Title	Salmonella spp – Presence/Absence – AS		
Document number	**QWI–FM0002**	**Date Issued**	1st December 2017

Method External References	AS 5013.10-2009 Food Microbiology – Microbiology of food and animal feeding stuffs – Horizontal method for the detection of Salmonella spp.
Matrix	As listed on NATA Scope.
ALS Department	□ Pharmaceutical Chemistry □ Water Microbiology ✓ Food Microbiology □ Pharmaceutical Microbiology □ Food Chemistry
Accreditation Status	✓ NATA □ NON-NATA □ N/A
Analysis technique	□ HPLC □ GC □ Wet Chemistry □ Physical □ Gravimetric ✓ Qualitative □ Pour Plate □ Spread Plate □ MPN □ Filtration □ Petrifilm □ EHS □ ELISA □ VIDAS UP □ VIDAS □ TEMPO
Method Principle	This method describes steps for the qualitative detection of salmonellae in products intended for human consumption and the feeding of animals and environmental samples in the area of food production and food handling. The test sample is placed into a pre-enrichment non-selective medium and incubated at 37 °C. The next step involves selective enrichment with RVS broth (41.5 °C 24 hrs) and MKTTn broth (37 °C 24 hrs) These cultures are then plated onto XLD and BSA and incubated at 37 °C for 24-48 hrs. Identification of *Salmonella* spp is carried out by biochemical and serological tests.
Reporting Unit	Detected/Not detected in 25 g or as per client specifications
LOR/LOQ	<1

Minimum amount of sample required for analysis	Minimum of 25 g	Turnaround time	4 days

Author:	Document Controller	**Date:**	22nd February 2018
Authorised By:	National Quality Manager	**Date:**	22nd February 2018

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