

METHOD SUMMARY – QWI-FM0046

Method Title	Salmonella Presence / Absence – Department of Agriculture		
Document number	QWI-FM0046	Date Issued	28th March 2018

Method External References	AOAC 996.08: Salmonella in Foods		
	AOAC 967.26B(a): Salmonella in Processed foods – Section B (Isolation)		
	AS5013.10 (2009): Horizontal Method For The Detection Of Salmonella Spp		
	AS5013.11.2 (2006): Microbiology Of Food & Animal Feeding Stuffs – Preparation Of Test Samples, Initial Suspensions And Decimal Dilutions For Microbiological Examination – Specific Rules For The Preparation Of Meat And Meat Products		
	VIDAS® Instruction Insert - VIDAS® Salmonella (SLM)		
	VIDAS® Operators Manual		
	AQIS Meat Notices 2003/06, 2000/09		
	Protocol validated by AFNOR 12/10-09/02		
	Bergy's Manual of Systemic Bacteriology Volume 1 1984		
Matrix	As listed on NATA Scope.		
ALS Department	<input type="checkbox"/> Pharmaceutical Chemistry <input type="checkbox"/> Water Microbiology <input type="checkbox"/> Pharmaceutical Microbiology <input checked="" type="checkbox"/> Food Microbiology <input type="checkbox"/> Food Chemistry		
Accreditation Status	<input checked="" type="checkbox"/> NATA <input type="checkbox"/> NON-NATA <input type="checkbox"/> N/A		
Analysis technique	<input type="checkbox"/> HPLC <input type="checkbox"/> GC <input type="checkbox"/> Wet Chemistry <input type="checkbox"/> Physical <input type="checkbox"/> Gravimetric <input type="checkbox"/> Qualitative <input type="checkbox"/> Pour Plate <input type="checkbox"/> Spread Plate <input type="checkbox"/> MPN <input type="checkbox"/> Filtration <input type="checkbox"/> Petrifilm <input type="checkbox"/> EHS <input type="checkbox"/> ELISA <input type="checkbox"/> VIDAS UP <input checked="" type="checkbox"/> VIDAS <input type="checkbox"/> TEMPO		
Method Principle	<p>The test sample is placed into a non-selective pre-enrichment medium and incubated at 37 °C. The next steps involve selective enrichment in TT Broth and SC Broth followed by screening using VIDAS system.</p> <p>VIDAS Salmonella is an enzyme immunoassay for use on the automated VIDAS system for the detection of Salmonella antigens using the Enzyme Linked Fluorescent Assay.</p> <p>The Solid Phase Receptacle (SPR) serves as the solid phase as well as the pipetting device.</p> <p>The interior of the SPR® is coated with anti-Salmonella antibodies adsorbed onto its surface.</p> <p>Reagents for the assay are ready-to-use and pre-dispensed in the sealed reagent strips.</p> <p>All of the assay steps are performed automatically by the VIDAS®</p>		

	System. The results from this step only provide a presumptive result and further confirmation must be performed as set out in this method.
Reporting Unit	Detected or Not Detected
LOR/LOQ	< 1

Minimum amount of sample required for analysis	25 g	Turnaround time	48 hours
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Author:	Document Controller	Date:	1 st May 2018
Authorised By:	National Quality Manager	Date:	1 st May 2018

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