

METHOD SUMMARY – QWI-FM0003



Method Title	Salmonella Presence/Absence - VIDAS		
Document number	QWI-FM0003	Date Issued	13 th December 2018

Method External References	VIDAS SLM – Operating Manual
	Protocol validated by AFNOR 12/10-09/02
	AS 5013 -10, 2009
Matrix	As listed on NATA Scope
ALS Department	<input type="checkbox"/> Pharmaceutical Chemistry <input type="checkbox"/> Water Microbiology <input checked="" type="checkbox"/> Food Microbiology <input type="checkbox"/> Pharmaceutical 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"/> Other (please specify): _____
Method Scope	This method describes the procedure for the qualitative detection of <i>Salmonellae</i> (motile and non-motile) in human and animal foods as well as for hygiene swabs using a single path protocol (AFNOR BIO 12/10-09/02). Some cross-reaction may be observed with certain strains of <i>Citrobacter</i> and <i>Hafnia</i> .
Method Principle	<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>A test sample (minimum of 25 g of food or hygiene swab is placed into a non-selective pre-enrichment medium and incubated at 37 ± 1 °C. The pre-enrichment is transferred to a selective enrichment broth followed by an enhancement step prior to running the VIDAS Assay. The presence of <i>Salmonella</i> species is confirmed by subculture onto two (2) selective agars, biochemical profiling using a commercial identification kit and group antigen reactions or using MALDI-TOF Biotyper.</p>
Reporting Unit	Detected/Not Detected per weight of sample or swab tested (gram, mL or swab)
LOR/LOQ	Presence or Absence

Minimum amount of sample required for analysis	Minimum 25 g Minimum 1 swab	Turnaround time	2 days
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