

# METHOD SUMMARY – QWI-FM0006



<b>Method Title</b>	Listeria Presence/Absence - VIDAS		
<b>Document number</b>	<b>QWI-FM0006</b>	<b>Date Issued</b>	19 <sup>th</sup> June 2019

<b>Method External References</b>	BioMerieux VIDAS LIS Operating Manual		
	AFNOR Protocol validated by AFNOR BIO 12/2-06/94		
	AS 5013.24.1-2009 Microbiology of food and animal feeding stuffs – Horizontal method for the detection and enumeration of Listeria monocytogenes – Detection method (ISO 11290-1:1996, MOD) Modification – OXOID Microbact 12L used for the differentiation and confirmation of L.monocytogenes rather than CAMP test		
	OXOID Oxoid Microbact Listeria Identification system 12L – Technical product insert		
<b>Matrix</b>	As listed on NATA Scope.		
<b>ALS Department</b>	<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		
<b>Accreditation Status</b>	<input checked="" type="checkbox"/> NATA <input type="checkbox"/> NON-NATA <input type="checkbox"/> N/A		
<b>Analysis technique</b>	<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): _____		
<b>Method Scope</b>	<p>This method describes the procedure for the qualitative detection of Listeria spp in foods and environmental samples.</p> <p>This method is used for the testing of food and animal feeding stuffs including environmental samples according to VIDAS LIS Protocol validated by AFNOR BIO 12/2-06/94.</p> <p>This method differentiates between species of Listeria using the Microbact 12 L system as an alternative to the conventional biochemical identification outlined in the standard.</p>		
<b>Method Principle</b>	<p>VIDAS Listeria is an enzyme immunoassay for use on the automated VIDAS system for the detection of Listeria antigens using the Enzyme Linked Fluorescent Assay.</p> <p>A test sample (minimum of 25 g of food or environmental units e.g. swab) is placed into a selective pre-enrichment (Demi Fraser Broth) and incubated at 30 °C for 24 hrs. The pre-enrichment is transferred to a selective enrichment broth prior to running the VIDAS test.</p>		
<b>Reporting Unit</b>	Detected/Not Detected per weight of sample or swab tested (gram, mL or swab)		
<b>LOR/LOQ</b>	Presence or Absence		

<b>Minimum amount of sample required for analysis</b>	25 g	<b>Turnaround time</b>	2 days
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<b>Author:</b>	Document Controller	<b>Date:</b>	29 <sup>th</sup> August 2019
<b>Authorised By:</b>	National Quality Manager	<b>Date:</b>	29 <sup>th</sup> August 2019

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