

Technical Datasheet

Analysis Name: Detection of *Listeria* spp. by VIDAS® LPT

Method Number: LI-00.705

Scope of Application: Raw materials, environmental, line and finished product samples.

Description: A qualitative next-day screening test for *Listeria* spp. The assay is performed on the Biomerieux VIDAS® automated detection system utilizing *Listeria* phage technology. Prior to the assay, samples are enriched in selective LPT broth to allow the recovery and growth of *Listeria*. When a positive result is obtained, the sample enrichment is cultured to confirm the presence of *Listeria* spp. This method (LI-00.705) detects *Listeria* at the genus level only and does not include species-level identification (e.g., *Listeria monocytogenes*). For species-level identification, please refer to TDS-LI-00.705-FS.

Sample Weight Required: 25 g, 100 g, and 125 g

Method Reference: This method is based on an alternative method that has been validated by AFNOR. AFNOR validation is according to ISO-16140:2003 protocol (certificate number BIO 12/23 - 05/12). The method also has AOAC Official Analysis status (method number 2013.10).

Analytical Platform: Enzyme Linked Fluorescent Assay

Special Information: Matrices containing anti caking agents like sodium silico aluminate may require a higher enrichment dilution to overcome coagulation in the ELFA assay. Matrices that are inhibitory to the growth of *Listeria* when enriched at 1:10 are also subject to higher dilutions.

See below for an example of the final result reported for this variation.



NQAC

Nestlé Quality Assurance Center
Dublin

Sample Description: **Listeria Qual (Sample #2091)**

Project #: 1734-0461

Sample #: 5564244

Condition Upon Receipt: INTACT

Keydate/Lot#: Not Specified

Client Sample ID: Round 256

Analysis : Method # : Aliquot Number

Listeria spp. VIDAS LPT : LI-00.705 : 11508801

	<u>Result</u>	<u>Units</u>
Listeria spp. Final	Detected	/25 g
Date Analyzed	03/15/2023	-

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Listeria spp. Final		Per g, mL, or swab	Detected / Not Detected	