NQAC
Nestlé Quality Assurance Center
Dublin

# 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, sample enrichments are cultured to confirm the presence of *Listeria* – genus only. This variation (LI-00.705) will not provide identification of *Listeria* species.

**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.

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**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 | Result | Units |
|---|---|---|
| **Listeria spp. VIDAS LPT : LI-00.705 : 5564250** | | |
| Listeria spp. Final | Present | /25 g |
| Date Analyzed | 08/31/2017 | |

| Analyte Reported | Alias | Unit of Measure | Limit of Quantification | Reproducibility |
|---|---|---|---|---|
| *Listeria* spp. Final | | Per g, mL, or swab | Presence/Absence | |