NQAC
Nestlé
Quality Assurance Center

Technical Datasheet

Analysis Name:	Detection of Listeria spp. by VIDAS® LPT
Method Number:	LI-00.705
Scope 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 species only. This variation (LI-00.705) will provide identification of Listeria species using API LISTERIA.
Sample Weight Required:	25g, 100g, and 125g
Method Reference:	This method is based on an alternative method that has been validated by AFNOR. AFNOR validation is according to ISO16140:2003 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. The results are obtained in 2 days. For presumptive positive results, Rapid L. mono plates are used to distinguish between Listeria monocytogenes and another Listeria spp.

Analyte Reported	Unit of measure	Typical limit of Quantification	Reproducibility
Listeria spp. Final	Per g, mL, or swab	Presence/Absence	