



CERTIFICATION

AOAC Research Institute
***Performance Tested Methods*SM**

Certificate No.

042604

The AOAC Research Institute hereby certifies the method known as

Neogen[®] Molecular Detection Assay - *Listeria* Right Now[™]

manufactured by

Neogen Corporation
620 Leshner Place
Lansing, Michigan 48912 USA

This method has been evaluated and certified according to the policies and procedures of the AOAC *Performance Tested Methods*SM Program. This certificate indicates an AOAC Research Institute Certification Mark License Agreement has been executed which authorizes the manufacturer to display the AOAC Research Institute *Performance Tested Methods*SM certification mark on the above-mentioned method for the period below. Renewal may be granted by the Expiration Date under the rules stated in the licensing agreement.

A handwritten signature in black ink, appearing to read "Bradley A. Stawick".

Bradley A. Stawick, AOAC Research Institute Senior Director

Issue Date April 26, 2026

Expiration Date December 31, 2026

METHOD NAME	CATALOG NUMBER	ORIGINAL CERTIFICATION DATE
Neogen [®] Molecular Detection Assay - <i>Listeria</i> Right Now [™]	700007660/MDALRN96	April 17, 2026

PRINCIPLE OF THE METHOD

The Neogen Molecular Detection Assay - *Listeria* Right Now is used with the Neogen Molecular Detection System for rapid and specific detection of viable/non-viable *Listeria* spp. in samples collected from visibly clean post-cleaning/sanitation and pre-production environmental surfaces without the need for enrichment. After sample collection using Right Now samplers wetted in a sampling solution, the contents are lysed to release nucleic acids. Ribosomal RNA is then reverse transcribed into complementary DNA (cDNA). The assay employs loop-mediated isothermal amplification (LAMP) for rapid, highly specific and sensitive nucleic acid amplification, with bioluminescent detection of the amplified product.

The end result is the detection of ribosomal RNA (rRNA) from *Listeria* spp. as an indicator of environmental surface contamination. However, since rRNA can persist even after the organism is no longer viable, the method may generate positive results in situations where the organism cannot be recovered by traditional culture-based methods, which detect only live cells.

CERTIFIED CLAIM STATEMENT: The Neogen Molecular Detection Assay - *Listeria* Right Now method is certified for the detection of *Listeria* within the scope of Tables 1 and 2.

Certified method includes:

1. Molecular Detection Instrument

Table 1. Performance claims

Matrix	Test portion	Enrichment conditions ^a	Reference method ^b	Claim ^c
Stainless steel	4" x 4", sampler ^d	None	BAM Ch. 10	NSDD
	4" x 4", sampler ^d	None	ISO 11290:2017	NSDD

^a No enrichment is required for this method.

^b BAM = Bacteriological Analytical Manual; ISO = International Organization for Standardization

^c NSDD = No statistical difference detected using SLV study design from OMA Appendix J (2012). The SLV qualitative method comparison study design from OMA Appendix J (2012) is not intended to demonstrate statistical equivalence in unpaired studies. Expert opinion is that the method is appropriate for its intended use.

^d Right Now Sampler with 1.5 mL sampling solution

Table 2. Method selectivity

Broth ^a	Temperature	Inclusivity strains		Exclusivity strains	
		No. tested	No. positive	No. tested	No. positive
TSB	36 ± 1°C	58 ^b	58	32 ^c	0

^a Tryptic Soy Broth

^b Comprising *L. aquatica*, *L. booriae*, *L. cornellensis*, *L. farberi*, *L. fleischmannii*, *L. floridensis*, *L. grandensis*, *L. grayi*, *L. immobilis*, *L. innocua*, *L. ivanovii*, *L. marthii*, *L. monocytogenes*, *L. newyorkensis*, *L. portnoyi*, *L. riparia*, *L. rocourtiae*, *L. seeligeri*, *L. thailandensis*, *L. valentina*, *L. weihenstephanensis* and *L. welshimeri*

^c Comprising 30 species

Table 3. Method history

No.	Date	Summary	Supporting data
1	April 2026	Original Certification	Certification Report