CERTIFICATION

AOAC Research Institute
Performance Tested Methods℠

Certificate No.

041101

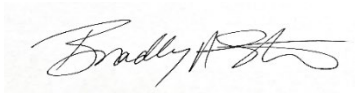
The AOAC Research Institute hereby certifies the method known as

Reveal® 2.0 *Listeria*

manufactured by

Neogen Corporation
620 Lesher Place
Lansing, Michigan 48912 USA

This method has been evaluated and certified according to the policies and procedures of the AOAC *Performance Tested Methods*℠ 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℠ 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.



Bradley A. Stawick, AOAC Research Institute Senior Director

Issue Date January 19, 2026

Expiration Date December 31, 2026

METHOD NAME
Reveal® 2.0 *Listeria*

CATALOG NUMBERS
9707 (SKU 700002796), 9806 (SKU 700002828), 9807 (SKU 700002829)

ORIGINAL CERTIFICATION DATE
April 01, 2011

PRINCIPLE OF THE METHOD

The Reveal *Listeria* 2.0 test is a lateral-flow format, immunodiagnostic test that facilitates rapid and accurate detection of *Listeria* spp. in food and environmental samples. A portion (200 µL) of the final enrichment culture is introduced to the Reveal *Listeria* 2.0 device. The sample is wicked through a reagent zone, which contains specific antibodies conjugated to colloidal gold particles. If *Listeria* antigens are present in the sample, they will bind to the colloidal gold conjugated antibodies. This antigen-antibody complex then leaves the reagent zone and travels through the nitrocellulose membrane, which contains a zone of anti-*Listeria* antibodies. The immune complex with colloidal gold conjugate is captured and aggregates in this zone, displaying a visible line. The remainder of the sample continues to migrate to the end of the membrane, where it will eventually be deposited into a waste pad. The reagent zone also contains a colloidal gold conjugate of a second antigen, which is also eluted by the sample. The colloidal gold-conjugated control indicator migrates through the membrane to the negative control capture zone (containing antibody to the second antigen), where it is captured and aggregated to form a visible line. Regardless of the presence of *Listeria* antigen, the control line will form in the control zone, ensuring that the test is working properly. Positive assay results must be confirmed by standard culture methods.

CERTIFIED CLAIM STATEMENT: The Reveal *Listeria* 2.0 method is certified for the detection of *Listeria* species, including *L. monocytogenes*, *L. innocua*, *L. ivanovii*, *L. seeligeri* and *L. welshimeri,* within the scope of Tables 1 and 2.

***Certified method includes**:*

1. Visual read only

Table 1. Method Performance Claims

		Enrichment Conditions					
Matrix	Test Portion	Broth[a]	Volume	Temperature	Time	Reference Method[b]	Claim[c]
Deli turkey	25 g	LESS	225 mL	30 ± 1°C	27-30 h	MLG 8.07	NSDD
Hot dogs	25 g	LESS	225 mL	30 ± 1°C	27-30 h	MLG 8.07	NSDD
Frozen hamburgers	25 g	LESS	225 mL	30 ± 1°C	27-30 h	MLG 8.07	NSDD
Pepperoni	25 g	LESS	225 mL	30 ± 1°C	27-30 h	MLG 8.07	NSDD
Pasteurized liquid egg	25 g	LESS	225 mL	30 ± 1°C	27-30 h	BAM Ch. 10	NSDD
Vanilla ice cream	25 g	LESS	225 mL	30 ± 1°C	27-30 h	BAM Ch. 10	NSDD
Parmesan cheese	25 g	LESS	225 mL	30 ± 1°C	27-30 h	BAM Ch. 10	NSDD
2% milk	25 g	LESS	225 mL	30 ± 1°C	27-30 h	BAM Ch. 10	NSDD
Pasteurized crab meat	25 g	LESS	225 mL	30 ± 1°C	27-30 h	BAM Ch. 10	NSDD
Smoked salmon	25 g	LESS	225 mL	30 ± 1°C	27-30 h	BAM Ch. 10	NSDD

Ceramic tile	1”x1”, swab[d]	LESS	10 mL	30 ± 1°C	27-30 h	MLG 8.07	NSDD
Plastic	1”x1”, swab[d]	LESS	10 mL	30 ± 1°C	27-30 h	MLG 8.07	NSDD
Stainless steel	4”x4”, sponge[d]	LESS	100 mL	30 ± 1°C	27-30 h	MLG 8.07	NSDD
Sealed concrete	4”x4”, sponge[d]	LESS	100 mL	30 ± 1°C	27-30 h	MLG 8.07	NSDD

[a] LESS = Listeria Enrichment Single Step enrichment broth

[b] MLG = USDA FSIS Microbiology Laboratory Guidebook, BAM = Bacteriological Analytical Manual

[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. Expert opinion is that the method is appropriate for its intended use.

[d] Swabs and sponges premoistened with Dey-Engley neutralizing broth prior to sampling.

Table 2. Method Selectivity

		Inclusivity Strains		Exclusivity Strains	
Broth[a]	Temperature	No. Tested	No. Positive	No. Tested	No. Positive
LESS	30 ± 1°C	51[b]	48[c]	32[d]	3[e]

[a] LESS = Listeria Enrichment Single Step enrichment broth

[b] Comprising *L. monocytogenes*, *L. innocua*, *L. ivanovii*, *L. grayii*, *L. seeligeri* and *L. welshimeri*

[c] Three strains of *L. grayii* were negative.

[d] Comprising 32 species

[e] *Lactobacillus buchneri, Lactobacillus casei*, and *Lactobacillus fermentum* were positive in non-selective broth then produced negative results when grown in LESS broth then tested with the Reveal assay.

Table 3. Method History

No.	Date	Summary	Supporting Data
1	April 2011	Original certification	Certification Report