CERTIFICATION

AOAC Research Institute
Performance Tested Methods℠

Certificate No.

022601

The AOAC Research Institute hereby certifies the method known as

Reveal Q+ for Histamine

manufactured by

Neogen Corporation
620 Lesher Place
Lansing, MI 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 February 12, 2026

Expiration Date December 31, 2026

METHOD NAME	CATALOG NUMBER	ORIGINAL CERTIFICATION DATE
Reveal Q+ for Histamine	9549 (SKU 700002759)	February 2, 2026

PRINCIPLE OF THE METHOD

Reveal Q+ for Histamine is a lateral flow immunochromatographic assay based on a competitive immunoassay format. In the test, the extract is wicked through the reagent zone, which contains antibodies specific for histamine conjugated to colloidal gold particles (gold complex). If histamine is present, it will be captured by the gold complex. The gold complex, along with any free gold-complex, is then wicked onto a membrane, which contains a zone of histamine conjugated to a protein carrier. This zone captures any unbound gold complex, allowing the particles to concentrate and form a visible line. As the level of histamine in a sample increases, free histamine will bind with the gold complex allowing the less gold complex to be captured in the test zones. Therefore, as the concentration of histamine in the sample increases, the test line density decreases. Algorithms programmed into the Raptor readers convert the line intensities into a quantitative result displayed in ppm (i.e., mg/kg). The membrane also contains a control zone where an immune complex present in the reagent zone is captured by an antibody, forming a visible line. The control line will always form regardless of the presence of histamine, ensuring the strip is functioning properly.

CERTIFIED CLAIM STATEMENT: The Reveal Q+ for Histamine is certified for the determination of histamine within the scope of Tables 1 and 2.

***Certified method includes**:*

1. Raptor Integrated Analysis Platform

Table 1. Method Performance Claims

				Performance supporting certification			
Matrix	Test Portion	Extraction	Range, mg/kg	LOD, µg/kg	LOQ, µg/kg	Recovery, %[a]	RSD_r, %
Canned tuna in water	10 g	Aqueous	0.52–40	0.52	0.52	103–131	3.0–11
Fresh frozen mahi-mahi	10 g	Aqueous	0.42–40	0.42	0.42	99.0–127	3.0–7.0

[a] Recovery relative to AOAC OMA **977.13** Reference Method

Table 2. Method Selectivity

		No. Compounds Interfering	
Compounds	Concentration	0 mg/kg Histamine	20 mg/kg Histamine
14 Amines[a]	500 µg/kg	3[b]	0
Control (No Analyte)	0 µg/kg	0	0

[a] Agmatine, Anserine, Cadaverine, Carnosine, L-Histidine, 3-Methylhistamine, L-Phenylalanine, Putrescine, Spermidine, Spermine, Tryptamine, L-Tryptophan, Tyramine, L-Tyrosine

[b] Agmatine showed weak positive interference in both tuna and mahi-mahi. 3-Methylhistamine and Spermidine showed weak positive interference in tuna only.

Table 3. Method History

No.	Date	Summary	Supporting Data
1	January 2026	Original Certification	Certification Report