



CERTIFICATION

AOAC Research Institute *Performance Tested Methods*SM

Certificate No.

092602

The AOAC Research Institute hereby certifies the method known as

RESIST Food *Salmonella* spp. Detection Kit

manufactured by

Kura Biotech

Avenida Gramado Interior 1410

Parcela 20

Puerto Varas, Chile

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

September 10, 2026

Expiration Date

December 31, 2026

METHOD NAMERESIST Food *Salmonella* spp. Detection Kit**CATALOG NUMBER**

RF.SS.100

ORIGINAL CERTIFICATION DATE

September 07, 2026

PRINCIPLE OF THE METHOD

The RESIST Food *Salmonella* spp. Detection Kit is designed for the quick and simple detection of *Salmonella* species. The technique is based on the extraction of RNA present in the sample and its subsequent reverse transcription to generate complementary DNA (cDNA), which is amplified by qPCR. During this process, the amplification of the cDNA is monitored in real-time through fluorescent signals which are recorded and analyzed by a real-time PCR instrument. This device delivers accurate detection of the fluorescence reading of the analyzed samples, ensuring a reliable and efficient result. The RESIST Food *Salmonella* spp. Detection Kit is a test kit intended for use in laboratories performing pathogen analysis by personnel trained following good laboratory practice.

CERTIFIED CLAIM STATEMENT: The RESIST Food *Salmonella* spp. Detection Kit method is certified for the detection of *Salmonella* spp. within the scope of Tables 1 and 2.

Certified method includes:

1. Avenire Prime PCR, 16 and 48 well platforms

Table 1. Method performance claims

Matrix	Test portion	Enrichment conditions				Reference method ^b	Claim ^c
		Broth ^a	Volume	Temperature	Time		
Raw chicken breast	25 g	BPW-ISO	225 mL	37 ± 1°C	14 ± 2 h	ISO 6579-1:2017	Eq
Stainless steel	4"x 4", sponge ^d	BPW-ISO	90 mL	37 ± 1°C	14 ± 2 h	ISO 6579-1:2017	Eq
Plastic (HDPE) ^e	4"x 4", sponge ^d	BPW-ISO	90 mL	37 ± 1°C	14 ± 2 h	ISO 6579-1:2017	Eq

^a BPW-ISO = Buffered Peptone Water-ISO formulation

^b ISO = International Organization for Standardization; Includes ISO 6579-1:2017/Amd. 1:2020

^c Eq = Equivalence of candidate and reference methods demonstrated by 90% CI on dPOD_c meeting the criteria according to TR364 (Least Cost Formulations, Virginia Beach, VA).

^d Sponges pre-moistened with 10 mL Lethen broth.

^e HDPE = High-Density Polyethylene

Table 2. Method selectivity

Broth ^a	Temperature	Inclusivity strains		Exclusivity strains	
		No. tested	No. positive	No. tested	No. positive
BPW-ISO	37 ± 1°C	103 ^b	103	30 ^c	0

^a BPW-ISO = Buffered Peptone Water-ISO formulation

^b Comprising *Salmonella bongori* and *Salmonella enterica* including subsps. *arizonae*, *diarizonae*, *indica*, *houtenae*,

salamae, and *enterica*

^cComprising 30 species

Table 3. Method history

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