



## **PARTICIPATION CERTIFICATION**

This is certification that the laboratory listed below is currently enrolled in the AOAC INTERNATIONAL Laboratory Proficiency Testing Program and participated in the

**March 2025**

proficiency testing round of the

**E01 – Salmonella in Liquid Egg Program**

Site ID: **193156**

**Garrett Laboratories, Inc.**

408 N. 3rd St

Niles, MI 49120

USA

*Shane P Flynn*

**Shane Flynn, Senior Director**

**03/03/2025**

**Date**

AOAC INTERNATIONAL • 2275 Research Blvd, Ste 300, Rockville, MD 20850-3250 USA  
T: +1 301-924-7077 • F: +1 301-924-7089 • E: [LPTP@aoac.org](mailto:LPTP@aoac.org) • W: [www.aoac.org](http://www.aoac.org)



# Laboratory Proficiency Testing Program

**E01**

***Salmonella* in Liquid Egg**

**03-03-2024 (Shipment Date)**

**04-01-2024 (Final Report Issue Date)**

**Round ID: E01-030324**



CERT # 1782.01

Proficiency Testing Provider

AOAC INTERNATIONAL  
Shane Flynn,  
Senior Director  
2275 Research Blvd. ste 300  
Rockville, MD 20850  
301-924-7077  
[LPTP@AOAC.org](mailto:LPTP@AOAC.org)

## Table of Contents

- 1.0 Introduction**
- 2.0 Preparation of Test Materials**
- 3.0 Analyses Requested**
- 4.0 Results**
- 5.0 Comments and Recommendations**

**Appendix A-** Participating Laboratory's Results

**Appendix B-** Instructions for analysis

**Appendix C-** Homogeneity Report

**Appendix D-** Stability Report

Authorization
<p>This report has been authorized by Shane Flynn, Senior Director of the AOAC laboratory Proficiency Testing Program.</p> <p><i>Shane P Flynn</i></p>

**REPORT TO PARTICIPANTS IN  
THE AOAC® LABORATORY PROFICIENCY TESTING PROGRAM**

***Salmonella* in Liquid Egg Program**

**1.0 Introduction**

Test materials for the *Salmonella* in Liquid Egg program were shipped to participants on March 3, 2025. Each laboratory was given a site identification number in order to maintain confidentiality. Participants were to start analyzing the samples no later than March 10, 2025. An instruction packet on how to use the on-line data submission system was also included in the shipment. The participants were to submit an electronic response on-line to verify the condition of the test materials upon receipt and confirm the safe handling of the test materials containing *Salmonella* by participants. Participants were also instructed to report results electronically. Instructions were provided (see Appendix B). The results were recorded and were to be submitted to AOAC by March 18, 2025.

**2.0 Preparation of Test Materials**

Each set of test materials included five samples, each containing approximately 100 grams of liquid egg product. All samples were for qualitative testing. The matrix was screened prior to spiking. Each sample was individually inoculated at a low level ( 5-15 cells/ml). The following two serotypes were used for inoculation: *S. typhimurium* and *S. enteritidis*. Five replicate samples were randomly selected to verify the species and serotype. Two controls were uninoculated.

**3.0 Analyses Requested**

Samples 1-5	<i>Salmonella</i>	Indicate Present/Absent
	O and H antiserum reactions	Indicate Present/Absent

The participants had the option of identifying the serotype. Information on the method used for analysis was requested.

#### **4.0 Results**

Confidentiality of results will be maintained by issuing site identification codes to the participants. Results in reports will only be identified by the site identification code. Results of participants were compared to the expected results. The results table specifies whether the participant tested for serotype. There was inadequate information about the methodology used to group the results according to method for this shipment.

#### **5.0 Comments and Recommendations**

All laboratories performed well this round.

If a participant would like to appeal against the assessment of their performance in this proficiency testing scheme, please contact staff at [LPTP@AOAC.org](mailto:LPTP@AOAC.org).



## E01 *Salmonella* in Liquid Egg PROFICIENCY TESTING PROGRAM

Sample:	Enclosed are 5 samples, each containing 100 grams of liquid egg product. Shelf-life studies performed on samples stored frozen demonstrated that the samples remained stable for a period of at least 7 days if stored frozen. Sample should arrive 10°C or below. These samples should be handled and analyzed in the same manner and following the same analytical standard operating procedures (SOPs) as routine samples.
---------	---

Ship Date:	03-03-2025
Start Analysis by Date:	03-10-2025
Result Due Date:	03-18-2025

Storage:	Store samples frozen (-20°C) until analysis date.
Thawing:	Thaw when ready to analyze by placing the samples into a plastic bag in cold water for 1 -2 hours. Do not refreeze the samples. Please be sure to thoroughly scrape out the entire sample.

Please verify that the label on sample #1 is green, #2 orange, #3 yellow, #4 blue, #5 pink

Analyze samples numbered 1 through 5 for the following:

<p><i>Salmonella</i> species - Specify the method. Report as PRESENT or Absent.</p> <p>If PRESENT, report the O and the H antiserum reactions. If your laboratory does not test for O and H serogroups, report NOT TESTED.</p>
--

Reporting	
Where to Report	<a href="https://pt2.aoac.org">https://pt2.aoac.org</a>
How to Report	Step by step instructions for online reporting are available once online account is accessed

### Questions and Comments

If you have questions regarding the E01 PT round, please contact [LPTP@AOAC.org](mailto:LPTP@AOAC.org).

Test Material Provider:

Silliker Solution Center  
3600 Eagles Nest Drive, Bldg. A  
Crete, IL 60417

Appendix C  
Homogeneity Analysis  
E01 - Liquid Whole Egg  
Ship Date: March 3, 2025

Sample	Inoculation Scheme	Expected Serotype	<u>Results - <i>Salmonella</i> /100g</u>		
			Replicate 1	Replicate 2	
1	S. Enteritidis	D (O): G complex (H)	Positive	Positive	Passed
2	Uninoculated	NA	Negative	Negative	Passed
3	S. Enteritidis	D (O): G complex (H)	NA	NA	NA
4	Uninoculated	NA	NA	NA	NA
5	S. Typhimurium	B (O): i, 1 complex (H)	Positive	Positive	Passed

NA = Not Applicable

**Appendix D**  
**Stability Analysis**  
**E01 - Liquid Whole Egg**  
**Ship Date: March 3, 2025**  
**Test Date: March 17, 2025**

Sample	Inoculation Scheme	Expected Serotype	Results - <i>Salmonella</i> /100g		
			Replicate 1	Replicate 2	
1	S. Enteritidis	D (O): G complex (H)	Positive	Positive	Passed
2	Uninoculated	NA	Negative	Negative	Passed
3	S. Enteritidis	D (O): G complex (H)	NA	NA	NA
4	Uninoculated	NA	NA	NA	NA
5	S. Typhimurium	B (O): i, 1 complex (H)	Positive	Positive	Passed

NA = Not Applicable