

EFFECTIVE DATE	NP Analytical Laboratories	METHOD CODE
REVISED: 04/05/26	LABORATORY TEST METHOD SUMMARY	SVEZ SV125 SV375
REPLACES: 06/27/25	bioMérieux <i>Salmonella</i> VIDAS Easy SLM Assay	PAGE 1 OF 2
KEY WORDS: <i>Salmonella</i> , Rapid Method, VIDAS		

1. SCOPE AND PURPOSE:

- 1.1. The VIDAS (Vitek Immunodiagnostic Assay System) Easy SLM *Salmonella* test is an enzyme-linked fluorescent assay (ELFA) for use on the automated bioMérieux™ VIDAS instrument. This test has AOAC (Association of Official Analytical Collaboration International) Official Method Approval (AOAC 2011.03) and is Nestlé approved: LI-00.742-02; *Salmonella* VIDAS Easy SLM.
- 1.2. This procedure covers a variety of sample sizes for the testing of *Salmonella* detection. The mnemonics SVEZ, SV125, and SV375 are applicable to the sample size being tested. Sponges, swabs, and 25g samples fall under SVEZ, while 125g and 375g samples fall under SV125 and SV375 respectively.
 - 1.2.1. If sample size requested by customer does not fall under these categories, the sample mnemonic closest to the requested size is used and is noted on the worksheet and final report.

2. PRINCIPLE:

- 2.1. The VIDAS Easy SLM *Salmonella* test is a rapid screening test. The VIDAS Easy SLM method is used for detection of *Salmonella* in raw materials, environmental, line, and finished product samples.
 - 2.1.1. The AOAC OMA study included detection of *Salmonella* in liquid egg, vanilla, ice cream, spinach (frozen and fresh), raw shrimp, peanut butter, deli turkey, roast beef, raw ground pork, turkey, pork sausage, raw chicken breast, dry pet food, moist pet food, whole milk, raw cod, spent irrigation water, pecans, dry pasta, cake mix, ground black pepper, Non-fat dry milk, dried egg yolk, dark chocolate, cantaloupe, and orange juice.
- 2.2. The use of rapid screening methods have reduced the test time to ≤ 48 hours for a negative *Salmonella* result. If the rapid screening test is presumptive positive, confirmation of *Salmonella* can be carried out through the procedure outlined in NPAL method SMC.
- 2.3. Prior to analysis on the VIDAS system, samples are enriched with an enrichment media to allow the proliferation of *Salmonella*.
- 2.4. Sample size is commonly set by the regulatory agencies and is related to a risk assessment for *Salmonella* in a particular food or feed category.
- 2.5. Results will be reported as Not Detected, Detected, or Presumptive Detection per sample size tested.
- 2.6. Known Interferences: To see a list of AOAC validated matrices and their specific requirements, see VIDAS user guide. Failure for a *Salmonella* cell to grow to a detectable amount can result from nutritional deficiencies of the enrichment, unfavorable incubation temperature or length, or failure of an injured cell to repair itself.

3. PRECISION:

Assay precision for qualitative test procedures may vary with test matrix and physiological state of the microorganisms in the test sample. Guidelines used to describe method precision are defined in NPSOP3040, *Verification of Microbiological Tests*.

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4. **REFERENCES:**

LI-00.742-02; *Salmonella* VIDAS EASY SLM