



Laboratory Guidebook Notice of Change

Chapter new, **revised**, or archived: MLG 4 Appendix 1.01

Title: *Salmonella* Serotypes Reportable by Molecular Detection

Effective Date: 01/02/13

Description and purpose of change(s):

Eleven additional serotypes were added to the *Salmonella* Serotypes Reportable by Molecular Detection table. Molecular result of serotype B:i:- is now reported as 4,[5],12:i:- to maintain consistency with existing nomenclature as per a Center for Disease Control and Prevention (CDC) recommendation.

The methods described in this guidebook are for use by the FSIS laboratories. FSIS does not specifically endorse any of the mentioned test products and acknowledges that equivalent products may be available for laboratory use. Method validation is necessary to demonstrate the equivalence of alternative tests. FSIS provides guidance at:

http://www.fsis.usda.gov/PDF/Validation_Studies_Pathogen_Detection_Methods.pdf

**United States Department of Agriculture
Food Safety And Inspection Service, Office of Public Health Science**

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The *Salmonella* serotypes listed in this Table shall be reported using the Center for Disease Control and Prevention (CDC) molecular serotyping method (Fitzgerald et al., 2007 and McQuiston et al., 2011). Any discrepant results or detections of serotypes not listed shall be confirmed using traditional serotyping methodology (antisera agglutination).

***Salmonella* Serotypes Reportable by Molecular Detection**
Serotype

| |
|----------------|
| Kentucky |
| Enteritidis |
| Montevideo |
| Heidelberg |
| Typhimurium* |
| Saintpaul |
| Infantis |
| Agona |
| Newport |
| Albany |
| Muenchen |
| 4,[5],12:i:-** |
| Havana |
| Dublin |
| Altona |
| Anatum |
| Berta |
| Blockley |
| Bredeney |
| Give |
| Litchfield |
| Panama |
| Ouakam |

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| |
|---|
| Schwarzengrund |
| Thompson |
| *“Typhimurium” includes variant 5- ** Molecular result of serotype B:i:- is reported as 4,[5],12:i:- to maintain consistency with existing nomenclature as per CDC recommendation. |