



Laboratory Guidebook Notice of Change

Chapter new, **revised**, or archived: MLG 4 Appendix 1.03

Title: *Salmonella* Serotypes Reportable by Molecular Detection

Effective Date: 4/11/16

Description and purpose of change(s):

The following *Salmonella* serotypes were validated for testing by molecular detection: Bareilly, Bovismorbificans, Braenderup, Eko, Herston, Idikan, Indiana, Lexington, Manhattan, Rissen, and Tennessee.

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 as detailed in the document titled “FSIS Guidance for Evaluating Test Kit Performance” available on the FSIS website.

**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

Agona
Albany
Altona
Anatum
Berta
Blockley
Bovismorbificans
Brandenburg
Braenderup
Bredeney
Bareilly
Dublin
Derby
Eko
Enteritidis
Give
Hadar
Havana
Heidelberg
Herston
Idikan
Indiana
Infantis

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Kentucky
Litchfield
Lexington
London
Manhattan
Mbandaka
Montevideo
Muenchen
Muenster
Newport
Ouakam
Panama
Reading
Rissen
Saintpaul
Schwarzengrund
Tennessee
Thompson
Typhimurium*
I 4,[5],12:i:-**
<p>*“Typhimurium” includes variant 5-</p> <p>** Molecular result of serotype B:i:- is reported as I 4,[5],12:i:- to maintain consistency with existing nomenclature as per CDC recommendation.</p>