



Laboratory Guidebook Notice of Change

Chapter new, **revised**, or archived: MLG 8 Appendix 1.03

Titles: Flow Chart Specific for FSIS Laboratory Isolation and Identification of *Listeria monocytogenes*.

Isolation and Identification of *Listeria monocytogenes* (Culture Method only)

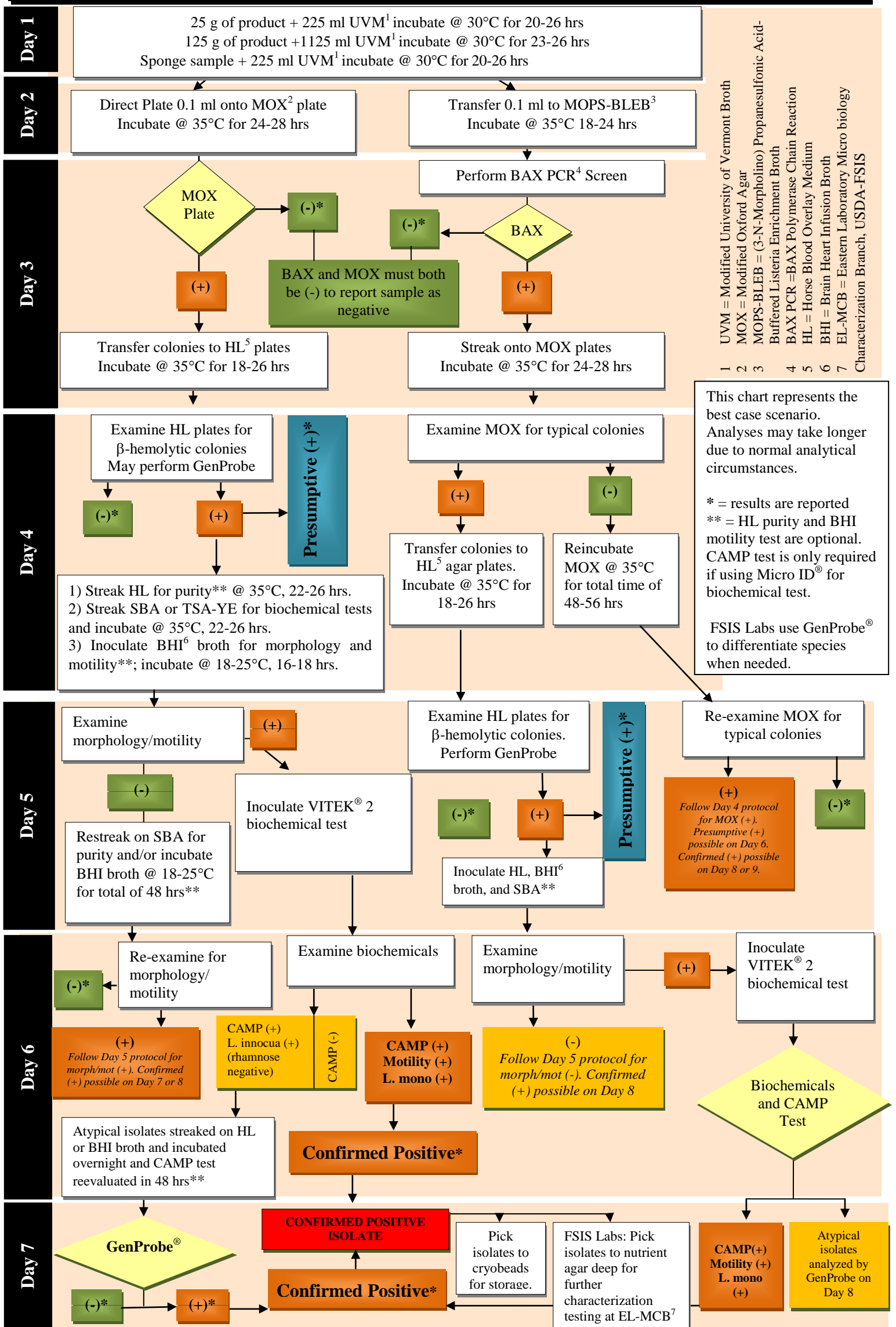
Effective Date: 01/02/2017

Description and purpose of change(s):

This flow chart describes FSIS Laboratory testing included in MLG 8 and MLG 8A.

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.

Flow Chart Specific for FSIS Laboratory Isolation and Identification of *Listeria monocytogenes*.



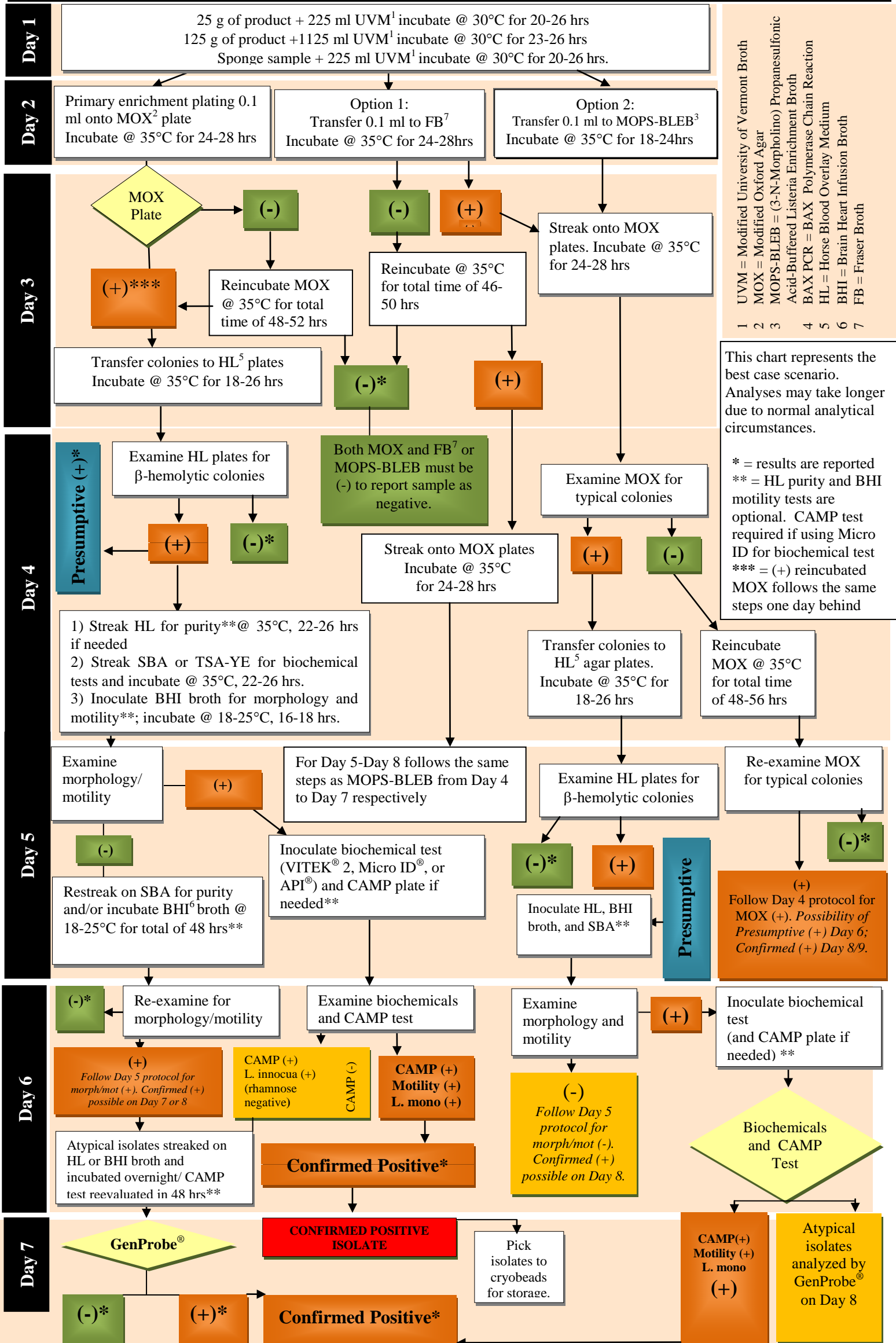
- 1 UVM = Modified University of Vermont Broth
- 2 MOX = Modified Oxford Agar
- 3 MOPS-BLEB = (3-N-Morpholino) Propanesulfonic Acid-Buffered Listeria Enrichment Broth
- 4 BAX PCR = BAX Polymerase Chain Reaction
- 5 HL = Horse Blood Overlay Medium
- 6 BHI = Brain Heart Infusion Broth
- 7 EL-MCB = Eastern Laboratory Microbiology Characterization Branch, USDA-FSIS

This chart represents the best case scenario. Analyses may take longer due to normal analytical circumstances.

* = results are reported
 ** = HL purity and BHI motility test are optional. CAMP test is only required if using Micro ID[®] for biochemical test.

FSIS Labs use GenProbe[®] to differentiate species when needed.

Isolation and Identification of *Listeria monocytogenes* (Culture Method only)



1 UVM = Modified University of Vermont Broth
 2 MOX = Modified Oxford Agar
 3 MOPS-BLEB = (3-N-Morpholino) Propanesulfonic Acid-Buffered *Listeria* Enrichment Broth
 4 BAX PCR = BAX Polymerase Chain Reaction
 5 HL = Horse Blood Overlay Medium
 6 BHI = Brain Heart Infusion Broth
 7 FB = Fraser Broth

This chart represents the best case scenario. Analyses may take longer due to normal analytical circumstances.

* = results are reported
 ** = HL purity and BHI motility tests are optional. CAMP test required if using Micro ID for biochemical test
 *** = (+) reincubated MOX follows the same steps one day behind