Newborn Screening by Tandem Mass Spectrometry (MS/MS): State Experiences and Considerations with Derivatized and Non-Derivatized Methods
Objectives

1. Give an historical overview of mass spectrometry in newborn screening, and review the performance characteristics of derivatized and non-derivatized methods.

2. Review NSQAP method performance data for selected analytes, and discuss the changes in NSQAP procedures related to the use of non-derivatized methods.
Objectives

3. Discuss the factors that should be considered in making the decision whether to switch to a non-derivatized method through case studies of two states that switched and two states that have not.
Agenda

1. The Historical and Present Day Basis for Derivatization in the MS/MS Analysis of DBS in Newborn Screening
   Donald H. Chace, PhD, MSFS, FACB

2. Assuring the Quality of MS/MS Dried Blood Spot Newborn Screening Testing
   Victor De Jesus, PhD, CDC

3. Newborn Screening by Tandem Mass Spectrometry in Texas
   Patricia R. Hunt
Agenda

4. Newborn Screening by Tandem Mass Spectrometry in California
   Fred Lorey, PhD

5. Evaluation of the Neobase Non-Derivatized Kit in the Missouri Newborn Screening Laboratory
   Patrick Hopkins

6. MS/MS Screening: To “D” or Not to “D”, That is the Question
   Mike Glass and Bill Hoffman
Acknowledgement

Sponsored by the QA/QC Subcommittee of the APHL Newborn Screening and Genetics in Public Health Committee