



Idaho State Police

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To: All Idaho County Sheriffs, Police Chiefs, and Prosecuting Attorneys
From: Matthew Gamette, ISPFs Laboratory System Director
Subject: ISPFs DNA Mixture Interpretation and CPI Statistics
Date: October 22, 2015

Effective October 8, 2015 Idaho State Police Forensic Services (ISPFs) is not issuing reports on DNA cases where samples require a statistical method known as a Combined Probability of Inclusion (CPI). This change will primarily affect cases in which a low level mixture of DNA from two or more people is obtained. The DNA casework unit is in the process of implementing a new software tool for DNA interpretation and statistical calculations called STRmix™. This new tool will enhance the ability of the DNA casework unit to provide interpretations and statistical analysis of DNA mixtures in accordance with the most current and advanced scientific knowledge. The laboratory will continue to provide analysis and interpretations for cases where only Random Match Probability (RMP) and/or Likelihood Ratio (LR) statistics are required.

It is important to note that analysis will continue to be conducted on all DNA cases submitted to the laboratory; however, reports on cases currently requiring a CPI statistic will be held until the STRmix™ software is available. Once STRmix™ has been validated and implemented by the laboratory, ISPFs DNA analysts will complete the interpretations and statistics for any held case reports. When the cases have been technically and administratively reviewed and approved, ISPFs will release the results on these held cases through the ILIMS system. We anticipate completion of the validation and implementation of STRmix™ to occur in December 2015.

It is extremely important that you regularly update the laboratory regarding pending court dates. If you have a court date or investigative need for your case in the next two months, please contact Meridian Laboratory Manager Rylene Nowlin rylene.nowlin@isp.idaho.gov (208-884-7148). Rylene is the best contact to answer any questions regarding this notification or DNA case specific questions.

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