



Quality Division Use Only

Quality Tracking #:	<input type="text" value="2018-050"/>	Classification:	<input type="text" value="Incident"/>
Non-Conformance Level:	<input type="text" value="N/A"/>	Section:	<input type="text" value="Biology/DNA"/>
Date of Discovery:	<input type="text" value="06/26/18"/>	Date of Incident:	<input type="text" value="04/24/18"/>

Forensic Case Number(s), if applicable:	Agency Case Number(s), if applicable:
2017-23471	158796517

Description of Non-conformance:

A Forensic Biology staff member reported the interpretation of a 4-person mixture as having a distinguishable major component and the interpretation was approved by a Forensic Biology supervisor in accordance with the laboratory's SOP. The Technical Leader was reviewing the interpretation to determine if an amendment of the report was necessary. Before a decision was made, however, the Forensic Biology laboratory had a finding as part of the 2018 ANAB Assessment because the laboratory had interpreted 4-person mixtures while their validation did not extend itself to these mixture types (see 2018-066/ID# 29140).

Actions Taken:

In response to the assessment nonconformance, the laboratory has validated the interpretation of 4-person mixtures to allow for the interpretation of the major contributor's DNA profile in cases where the mixture meets specific criteria, but the validation does not lend itself to the mixture in this case. An amended report was issued with the following statement: "A mixture of DNA from at least four contributors, at least 2 of whom are male, was obtained from this item. This mixture is not suitable for comparison due to an excessive number of contributors. See Incident Reports 2018-050 and 2018-066. Upon request, this complex mixture may be considered a candidate for reinterpretation once further validation is complete."

Summary of Root Cause Analysis:

Note: Incidents are documented for tracking purposes and trend analysis. Root Cause Analysis is not required for incidents.



N/A

Additional Information/Follow-Up:

N/A

Section Manager: Courtney Head

Date: 09/11/18

Division Director: Amy Castillo

Date: 09/11/18

Incidents or Corrective Actions that involve the Biology/DNA section are reviewed by the Technical Leader and CODIS Administrator.

Technical Leader: Robin Guidry

Date: 09/11/2018

CODIS Administrator: Jennifer Clay

Date: 09/11/2018

Quality Director: Lori Wilson

Date Closed: 09/11/18