



Quality Division Use Only

Scientific Area Committee (SAC): Biology/DNA Subcommittee: DNA Interpretation & Reporting

Standard/Guidelines Title ANSI/ASB Standard 018 2020 - Standard for Validation of Probabilistic Genotyping Systems

Date added to OSAC Registry 5/4/2021

Can the Standard/Guidelines be followed in totality? Yes

Please explain if the Standard/Guidelines and the applicable clauses that cannot be followed in their totality:

N/A

Compliance plan to achieve conformance to Standard/Guidelines:

The developmental validation study completed by the probabilistic genotyping system provider and the internal validation of this software completed by the Forensic Biology section complied with all the requirements listed in this standard. Therefore, no additional validation parameters had to be evaluated to conform to this standard. An independent verification study was completed in 2021 to conform with "020 Standard for Validation Studies of DNA Mixtures" standard. This verification study verified the functionality of the software settings and parameters and was used to conform to clause 4.7. Refer to memo titled "OSAC Standard 020- 4.4 Verification & Consistency Exercise" for more information on this study. All DNA analysts conducting analysis in this probabilistic genotyping system enabled the software settings that are used at the time of analysis to be printed as part of the Interpretation Report.

Declaration of Compliance to OSAC Registry Standard/Guidelines:

As of May 3, 2022, the Forensic Biology Section is compliant with the requirements listed in "Standard for Validation of Probabilistic Genotyping Systems".

Technical Leader: Cheron Maxwell Digitally signed by Cheron Maxwell Date: 2022.05.04 09:17:37 -05'00'

Date: N/A

Section Manager: Courtney A. Head Digitally signed by Courtney A. Head Date: 2022.05.03 21:33:57 -05'00'

Date: N/A

Division Director: Amy Castillo Digitally signed by Amy Castillo Date: 2022.05.04 09:28:40 -05'00'

Date: N/A

Quality Director: Erika Ziemak Digitally signed by Erika Ziemak Date: 2022.05.04 09:47:54 -05'00'

Date: N/A