



## BEXAR COUNTY CRIMINAL INVESTIGATION LABORATORY

7337 Louis Pasteur  
San Antonio, Texas 78229-4565  
Office: (210) 335-4100  
Fax: (210) 335-4101



### Implementation of a Continuous Probabilistic Genotyping System for the Interpretation of Forensic DNA Typing Results

Effective October 9, 2019, the Bexar County Criminal Investigation Laboratory (BCCIL) has implemented the continuous probabilistic genotyping (PG) system STRmix™. PG uses biological modeling, statistical theory, computer algorithms and probability distributions to infer genotypes from forensic DNA typing results and, if applicable, calculates a match estimate in the form of a likelihood ratio. PG allows for a semi-automated, objective interpretation of forensic DNA typing results and is an accepted methodology by the relevant scientific community. PG is a tool to assist the forensic scientist in the interpretation of forensic DNA typing results and does not replace the human evaluation of forensic DNA typing results.

PG is not applicable or appropriate for all forensic DNA specimens. PG is primarily utilized in complex mixture scenarios and samples with limited quantity / quality of genetic material. Re-evaluation for PG suitability will be performed on a case-by-case basis and may result in a *supplemental* report providing a weight of evidence when one was not available at the time of the original Forensic DNA Report. **Upon written request, the BCCIL will re-evaluate the interpretation of forensic DNA typing results to determine if PG is applicable and appropriate.** Please allow thirty (30) days from the time of written request to the release, if applicable, of a *supplemental* laboratory report.

Any and all conclusions released in the original Forensic DNA Report are valid and were in concordance to the standard operating procedures at the respective time of analyses.

Please direct all inquiries to the Forensic Serology / DNA Section of the BCCIL at 210-335-4100 or [gfooster@bexar.org](mailto:gfooster@bexar.org).

A handwritten signature in black ink that reads "Garon Foster".

Garon Foster  
Forensic Scientist Supervisor – Serology / DNA Section