

DNA Discovery List

The following materials are necessary to adequately review the laboratory analyses and provide consultation:

1. A copy of all reports, laboratory notes, sketches, and photographs from the analytical AND the database laboratories (if a cold hit is involved), including but not limited to the following:
2. Evidence collection, processing and chain of custody documentation pertaining to evidence items analyzed.
3. Photographs and descriptions of evidence items analyzed
4. Laboratory notes related to the screening of evidence items for biological fluids
5. DNA extraction worksheets, quantitation worksheets, and laboratory notes
6. Genotyping software electropherograms from Profiler Plus, Cofiler, Identifiler, Identifiler Plus, Y STR, Powerplex 16, or any other STR DNA typing analysis
7. Electronic data on CD-ROM including, but not limited to, raw data files (.fsa; .hid) produced by the typing instrument.
8. Statistical calculations: Please provide a copy of all statistical calculations undertaken with regard to DNA testing in this case including standard statistical tests, database match probability calculations and statistical calculations that were undertaken using software programs performing biostatistical calculations, such as probabilistic genotyping programs. Please provide information for all analyses undertaken, including those that were not used or were not reported. These materials should include:
 - List of software programs used, including version number.
 - Reference population allele frequencies used for the analysis.
 - All handwritten or electronic notes pertaining to the analysis
 - Any electronic data files that were generated for inputting genetic information into a software program.
 - All documents and electronic data files generated by the software program.
 - All input and operator-selected parameters used for the analysis.
 - Any instructions given to the operator of the software program with regard to input and operator-selected parameters to be used for the analysis.
9. Genetic marker database information used to calculate profile frequencies
10. A copy of the confirming cold hit case file from the state CODIS laboratory, if a cold hit is involved
11. Police reports and evidence collection documentation from the investigating agency.

On occasion, additional discovery might also be required to properly evaluate the case materials. I will contact you if these are needed:

12. DNA QA Manual
13. DNA SOP's, or Methods Manual
14. Contamination Log, or Log of Unanticipated results, or similar log
15. Interpretation Guidelines
16. Validation summary and files related to samples under consideration