The text in this document is provided for assisting in the preparation of NOEs for court purposes. These templates provide general information that may be covered in testimony by a lab analyst in the listed discipline. For case-specific information attorneys should contact the analyst to discuss their expected testimony for inclusion in this notice.

The State of Alaska, by and through the undersigned attorney, hereby provides notice pursuant to Criminal Rule 16(b)(1)(B), in the above-captioned case that the State intends to call the following expert witness in the above-captioned matter:

[ANALYST NAME]

Alaska Scientific Crime Detection Laboratory (ASCDL)

4805 Dr. Martin Luther King Jr. Ave.

Anchorage, AK 99507

(907) 269-5740

[ANALYST NAME] authored report(s) relating to this case dated [INSERT DATES OF ALL REPORTS], which have been discovered to the defense pursuant to Criminal Rule 16. Curricula vitae for the ASCDL analysts are available on the lab’s website: [Alaska Scientific Crime Detection Laboratory - SOQs](https://dps.alaska.gov/Statewide/CrimeLab/Quality-Assurance/SOQ)

The substance of [ANALYST NAME]’s expected testimony in this case as follows:

Analyst will

1. Describe their education, background, training, qualifications, continuing education, and/or professional organization membership as it relates to Forensic DNA Analysis.
2. Explain what DNA (deoxyribonucleic acid) is and why it may provide value in law enforcement investigations.
3. Discuss evidence handling practices and procedures, including how evidence is received and securely stored by the laboratory, as well as chain of custody.
4. State that [s/he] conducted DNA analysis of [DESCRIBE items of evidence], submitted to the Alaska Scientific Crime Detection Laboratory in connection with this case.
5. Describe the Alaska State Crime Detection Laboratory policy related to which items are selected for DNA testing.
6. Describe the relevant procedures utilized by the laboratory to screen items for the presence of biological fluids.
7. Describe the differences between different DNA sources (fluids versus transfer/touch/contact) in terms of the relative quantities of DNA present in each and the impact that may have on the ability to detect DNA from different sources.
8. Describe transfer DNA and how it can influence the conclusions that can be drawn with respect to the events that resulted in a DNA profile being present/absent on a particular item.
9. Describe limitations of the DNA process and the conclusions that can be made based on the DNA results.
10. Describe the laboratory processes and methodologies utilized by the laboratory to develop a DNA profile.
11. Explain the differences between STR (short tandem repeat) DNA testing and Y-STR DNA testing, the advantages/disadvantages of each method, and the circumstances in which one method would be utilized instead of the other.
12. Explain the possible conclusions that can be reached from the comparison of DNA profiles.
13. Explain the statistical methods utilized by the laboratory for assigning weight to a DNA match.
14. Discuss the factors that affect whether foreign DNA can be detected in a questioned sample, including the nature of the alleged contact, the type of the DNA source, the length of time elapsed between the contact and sample collection, and other environmental factors.
15. Describe the quality assurance measures in place to ensure the integrity and validity of the result in this case.
16. Comment on any other relevant matter on which the expert is qualified to render an opinion.
17. *[Case-specific conclusions, and the basis of those conclusions, SHOULD be added here, after consultation with the assigned analyst]*

Describe the results and interpretations of the analyses conducted in relation to this case, including that [INSERT CONCLUSION HERE: I.E., “the two profiles matched,” and/or “XXX could not be excluded as the source of DNA detected in the major component,”].

Testify that the estimated frequency of [DESCRIBE SAMPLE] is rarer than [INSERT SPECIFIC STATISTIC].

For additional information on biology testing procedures, refer to the Forensic Biology Manuals located on the [crime lab webpage](https://dps.alaska.gov/Statewide/CrimeLab/Quality-Assurance/QualityAssurance) under Forensic Biology Manuals.