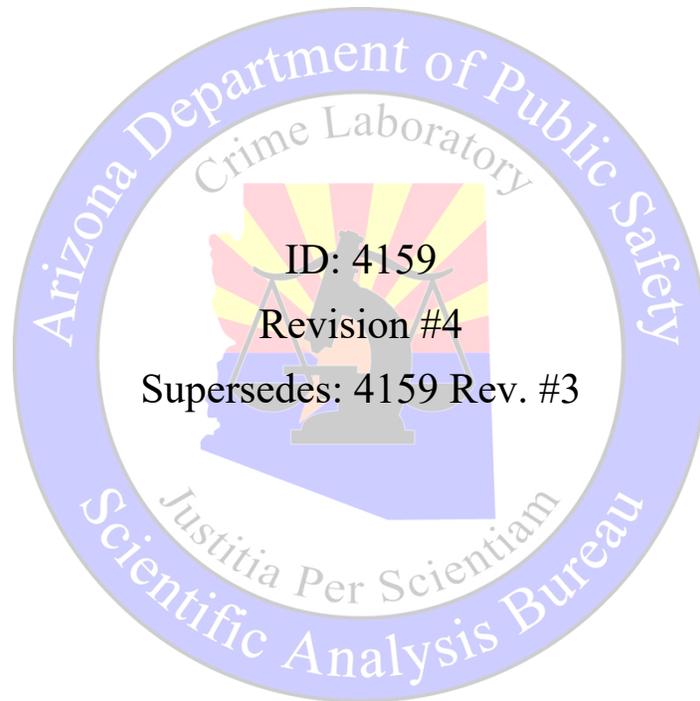


Arizona Department of Public Safety

Scientific Analysis Bureau

Forensic Biology Report Wording Guidelines



Issuing Authority:
SAB Superintendent

Effective Date: 02/05/2020



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ID: 4159

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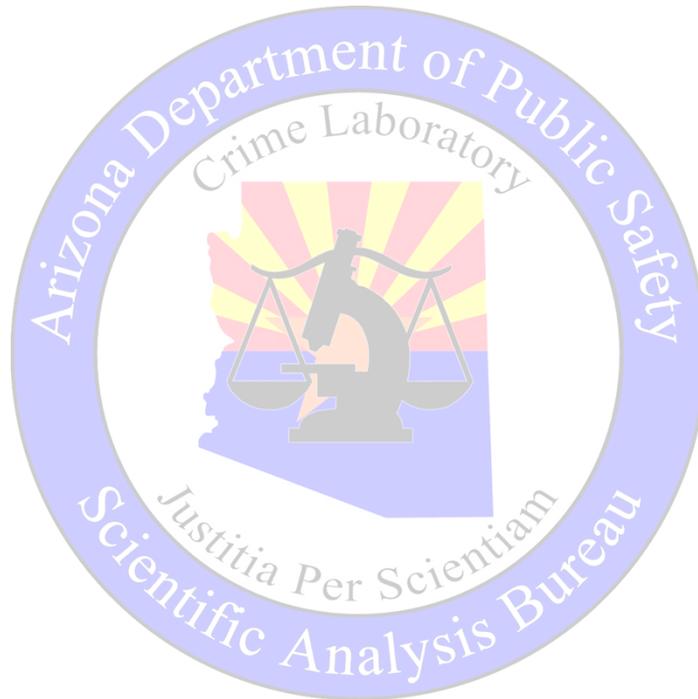
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This document serves as the report wording document for DNA/Serology personnel. The most commonly encountered and frequently used verbiage is contained within this document for consistent and universal report writing in the AZDPS DNA system. The report wording document cannot be all inclusive and case specific reporting may require additional language. When those situations arise, the analyst and the technical reviewer must agree to any deviations based on case circumstances and this will be documented by the technical reviewer initialing the report.



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1 GENERAL**1.1 WITHDRAWALS**

Note: Further guidance for withdrawals can be found in the *SAB Quality Assurance Manual*.

(Submitting agency/county attorney) – *The request for analysis was withdrawn by Detective Smith, Maricopa County Sheriff's Office, on June 23, 2018.*

OR

The request for analysis was withdrawn by County Attorney John Smith, Maricopa County Attorney's Office, on June 23, 2018.

(No call back) – *More than one attempt (or "Several attempts") has (have) been made to contact the submitting agency with no response; therefore, the request for analysis was withdrawn. If examination of the evidence is still required, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).*

(Drug analysis cases – DNA unit only requests) – *Routine DNA analysis of drug cases is not performed by the Arizona Department of Public Safety Crime Laboratory. Therefore, the request for DNA analysis was withdrawn. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).*

OR

(Dual requests) *Routine DNA analysis of drug cases is not performed by the Arizona Department of Public Safety Crime Laboratory. Therefore, the request for DNA analysis is being withdrawn. The laboratory will proceed with other requested analyses, which will prevent future DNA testing. If you have any questions, please contact the Supervising Forensic Scientist at (add appropriate phone # here).*

(Generally unsuitable for DNA) – *The request for DNA analysis was withdrawn because the submitted evidence is unsuitable for DNA analysis. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).*

OR

The request for DNA analysis was withdrawn because it does not meet the Scientific Analysis Bureau requirements for submission. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

(Latent print analysis already done) – *The request for DNA analysis was withdrawn. Latent print analysis has already been performed on the item, thus making it unsuitable for DNA analysis.*

(Firearms analysis already done) – *The request for DNA analysis was withdrawn. Firearms analysis has already been performed on the item, thus making it unsuitable for DNA analysis.*

(Evidence not packaged correctly) – *The evidence for this case was returned to (agency name) prior to analysis due to inconsistencies in the packaging of the evidence. If analysis is still needed, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).*

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(Evidence previously examined) – DNA analysis of evidence previously examined by another laboratory will not be performed by the Arizona Department of Public Safety Crime Laboratory. Therefore, the request for DNA analysis was withdrawn. If further information is needed, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

(DNA will not be useful for case) – The request for DNA analysis was withdrawn because DNA analysis will likely not yield forensically useful results. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

(No charges being filed) – On July 16, 2018, Detective Smith informed the Arizona Department of Public Safety Crime Laboratory that charges are not being pursued at this time. Based on the case information provided, any DNA profiles that could be developed are not CODIS eligible. Therefore, the request for DNA analysis was withdrawn.

(Court records show adjudicated) – According to court records, this case has been adjudicated and a DNA database sample has been collected from the defendant. Therefore, the request for DNA analysis is being withdrawn. All items referenced above have been retained in laboratory storage for possible future testing.

(Charges not being pursued) – Charges are not being pursued at this time and any DNA profile(s) developed are not CODIS eligible based on the information given. Therefore, the request for DNA analysis is being withdrawn. All items referenced above have been retained in laboratory storage for possible future testing.

(Prohibited possessor – DNA unit only requests) – Routine DNA analysis of prohibited possessor cases is not performed by the Arizona Department of Public Safety Crime Laboratory because they have a low probability of yielding forensically useful results. Therefore, the request for DNA analysis was withdrawn. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

OR

(Dual requests) Routine DNA analysis of prohibited possessor cases is not performed by the Arizona Department of Public Safety Crime Laboratory because they have a low probability of yielding forensically useful results. Therefore, the request for DNA analysis is being withdrawn. The laboratory will proceed with other requested analyses, which will prevent future DNA testing. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

(No standards) – Known standards requested for DNA analysis have not been submitted in this case; therefore, the request for DNA analysis was withdrawn. If examination of the evidence is still required, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

(Ineligible for CODIS) – The request for DNA analysis was withdrawn. Due to the requirements of the CODIS database, the requested items are not eligible for entry at this time. If further information is available or a suspect is developed in this investigation, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).



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(A known (K) standard only submitted for CODIS when no crime committed) - *The request for DNA analysis was withdrawn. Due to the submission requirements of the CODIS database, the requested item is not eligible for entry at this time. If further information is needed, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).*

(Touch cases – DNA unit only requests) – *The request for DNA analysis was withdrawn because the Arizona Department of Public Safety Crime Laboratory does not routinely analyze touch DNA samples of this type. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).*

(Touch cases – dual request) – *The request for DNA analysis was withdrawn because the Arizona Department of Public Safety Crime Laboratory does not routinely analyze touch DNA samples of this type. Therefore, other requested analyses will proceed instead of DNA and will prevent future DNA testing. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).*

1.2 GENERAL WITHDRAWAL FOR PROPERTY CRIMES REQUESTS

The evidence in this case has been returned to your agency for one or more of the following reasons:

Any DNA profile(s) obtained from the evidence would be ineligible for the CODIS database;

Analysis will require known standards for comparison;

Samples of this type have a low probability of yielding useful results.

If there is additional information available and the DNA testing is still required, please contact the DNA Property Crimes Supervising Forensic Scientist at (add appropriate phone # here) for instructions on how to resubmit the evidence.

OR

(Dual request) Therefore, the request for DNA analysis was withdrawn and other requested analyses will proceed instead of DNA and will prevent future DNA testing. If you have any questions, please contact the Supervising Forensic Scientist at (add appropriate phone # here).

1.3 AGENCY NOTIFICATIONS – VIOLENT CRIMES & SEXUAL ASSAULTS

In order for the laboratory to proceed with analysis in this case, the following information is required:

Suspect standard(s) for comparison

And/or

Victim elimination standard(s)

And/or

Additional information on how the evidence is related to the crime/crime scene as required for entry into the CODIS database.

And/or



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Written permission to consume item(s) from the prosecutor/officer assigned to the case.

(Additional statements may be used as case circumstances dictate)

If the requested information is not received within 60 days of the date on this report, the request (or the above listed requests) for analysis will be withdrawn and the evidence returned. The DNA (add appropriate unit here if applicable) Supervising Forensic Scientist can be reached at (add appropriate phone # here).

(Agency notification withdrawal) – A notice was sent to you at least 60 days ago indicating that additional information and/or standards are needed in order to process your evidence for DNA. As of the date on this report, the laboratory has not received the required information; therefore, the evidence is being returned to your agency and the request (or the above listed requests) for analysis is/are being withdrawn at this time. If the evidence in this case still needs to be processed, you must contact the DNA (add appropriate unit here if applicable) Supervising Forensic Scientist at (add appropriate phone # here).

1.4 AGENCY NOTIFICATION WITHDRAWALS – PROPERTY CRIMES

To preserve the integrity of the evidence, the above listed requests for analysis have been withdrawn because this case lacks the following vital components (dual requests):

OR

The above listed request for analysis has been withdrawn because the case lacks the following vital component(s):

Suspect standard(s) for comparison

And/or

Victim elimination standard(s)

And/or

Elimination standards from all known drivers of the vehicle

And/or

Additional information on how the evidence is related to the crime/crime scene as required for entry into the CODIS database.

The evidence in this case will be held for the next 60 days. If the requested information is received within 60 days of the date on this report, the request (or the above listed requests) for analysis will be reinstated. The request date for testing of the evidence will originate when all components required for testing are received by the laboratory. If you have not done so already, please fill out a DNA supplemental form and email it, along with any questions, to (add appropriate email here). The DNA Supervising Forensic Scientist can be reached at (add appropriate phone # here).

1.5 DUAL DNA/LP REQUEST (items better suited for latents)

DNA analysis was not performed on the item(s) because this item was deemed to be more suitable for Latent Print analysis.



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1.6 DUAL DNA/LP REQUEST (previously identified by latents)

Due to the identification made by the Latent Print Unit on an item of evidence in this case, serological/DNA analysis will not be performed at this time. If you have any questions, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

1.7 SCENE/VEHICLES

SCENE LOCATION:

AZDPS Vehicle Bay: 2323 N. 22nd Ave., Phoenix, AZ 85009 (address of vehicle bay)

RESULTS/INTERPRETATIONS: (This section should also include any preliminary testing results for blood/semen.)

On June 23, 2009, at the request of Officer Smith, assistance was provided at the above location to process item___ (vehicle description to include color, year, make, model and VIN (e.g., White 2009 Chevy Cobalt, VIN #1GCF615X891146235).

Report any blood testing results (positive/negative/inc) and/or semen testing results (positive/negative/inc).

All biological evidence collected was released to Officer Smith for submission.

OR

No biological evidence was collected for further analysis.

1.8 ATTEMPT TO OBTAIN PERMISSION TO CONSUME

According to the details provided, it is in the best interest of the case for the Arizona Department of Public Safety Crime Laboratory to consume the items submitted for DNA analysis. If a response is not received within 15 business days, DNA analysis will proceed, consuming items as necessary.

Note: This may be used in a formal report or sent via email.

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2 ACTION ITEM(S)**2.1 CASES WITH SUSPECT**

Further information may be obtained from the above items by DNA analysis. To request this analysis, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

Add the appropriate statement from below when appropriate standards do not exist and/or when permission to consume or permission to use a standard from a different DR# is needed (touch, possible saliva containing and few sperm samples):

The following will be needed:

- 1. Buccal sample from the victim/suspect/consensual sex partner/elimination (or individual's name)*
- 2. Written permission to consume items*
- 3. Written permission from (Agency name) to use suspect (or individual's name) known standard (case cross-referenced to DPS DR# ...).*

(Additional statements may be used as case circumstances dictate)

2.2 VIOLENT CRIMES OR UNKNOWN SUSPECT CASES

DNA analysis will be performed on this case. If this analysis is not needed, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

Add the following statement when appropriate standards do not exist:

Further information may be obtained from the above items by DNA analysis. To request this analysis, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

The following standards will be needed:

- 1. Buccal sample from...*
- 2. Written permission to consume items (only needed when there is a suspect).*

2.3 DNA ANALYSIS OF ITEM(S) RESULTS IN NO RESULT, INCONCLUSIVE OR NON-PROBATIVE RESULTS

Further DNA analysis may be possible on additional items. If analysis is still needed, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here) for instructions about resubmitting evidence.

2.4 NO RESULT, INCONCLUSIVE OR NON-PROBATIVE RESULTS AND REMAINING SAMPLES ARE BEST SUITED FOR Y-STR ANALYSIS

Y-STR analysis and comparison may be possible if a suspect buccal sample is submitted.

OR

Y-STR analysis and comparison may be possible if a suspect is developed and a buccal sample is submitted.



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2.5 HAIR RETENTION - RWE

Apparent hairs were collected and returned with the evidence. Additional examination(s) will not be performed unless the laboratory is contacted.

2.6 HAIR RETENTION - LFS

Apparent hairs were collected and retained in the laboratory. Additional examination(s) will not be performed unless the laboratory is contacted.

2.7 NO HAIR DETECTED

No apparent hair was detected.

2.8 FURTHER DNA TESTING

Further analysis will be done on additional evidence and will be the subject of another report.

OR

Further DNA testing will be performed on the remaining items from the sexual assault kit.

The following are still needed for DNA comparison:

- 1. Buccal sample from suspect (unless previously stated)*
- 2. Buccal sample from the consensual sex partner*

2.9 AMENDED STATISTICS REPORTED

The statistical approximations previously reported on (month day, 20XX), were generated using the 1999 and 2001 FBI STR population data and allele frequencies. Updated statistical approximations have been generated and are reported below using the 2015 FBI STR population data and allele frequencies. This amended report has had its updated statistics technically reviewed.

For cases prior to May 2015, amended report requests from attorneys or court must be in writing (email or letter).

A copy of the amended report, the old report, the old POPSTATS worksheet and the new POPSTATS worksheets will need to be turned in to QA. For reported stats that do not change, a copy of the report, the old POPSTATS worksheet and the new POPSTATS worksheets will need to be turned into QA.



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3 GENERAL NOTES

3.1 PORTIONS AND ITEMS RETAINED

Portions of all items referenced above have been retained in laboratory storage (,except item(s) ____).

Item(s) ____, as well as portions of item(s) ____, have been retained in laboratory storage.

All items referenced above have been retained in laboratory storage.

Item(s) ____ have been retained in laboratory storage.

A portion(s) of item(s) ____ have been retained in laboratory storage.

A sample(s) ____ was/were taken from item(s) ____.

All DNA reports where evidence was analyzed/retained must have one of these statements at the bottom of the report.

3.2 RECEIVED, NOT ANALYZED

All other items received were not analyzed.

3.3 REFERENCE ADDITIONAL REPORTS

** See DPS report dated (Month Day, 20xx).*

*** See DPS DR# 20xxxxxxx, report dated (Month Day, 20xx).*

**** See (Agency name) DR# _____, report dated (Month Day, 20xx).*

To be used when comparing items from one DR to another DR in the report(s).

3.4 CASES CROSS-REFERENCED

This case is cross-referenced to DPS DR#...

To be used when cases are linked but no comparisons of items between DR's are done.

3.5 NUMBER DEFINITIONS

For statistics greater than billions - *1 trillion = 1,000,000,000,000; 1 quadrillion = etc.*

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4 SEROLOGY**4.1 BLOOD**

Positive chemical test – select “Positive” OR *Preliminary testing indicated blood on item(s) _____.*

Negative chemical test – select “Negative” OR *Preliminary testing did not detect blood on item(s) _____.*

Inconclusive chemical test – select “Inc.” OR *Preliminary testing is inconclusive for blood on item(s) _____ due to limited sample and/or possible chemical interference.*

4.2 SEMEN

AP positive/P30 positive – select “Positive” OR *Preliminary testing for semen was positive on item(s) _____.*

AP positive with P30 negative – select “Negative” OR *Preliminary testing for semen was negative on item(s) _____.*

AP negative – select “Negative” OR *Preliminary testing for semen was negative on item(s) _____.*

AP inconclusive – select “Inc.” OR *Preliminary testing for semen was inconclusive on item(s) _____ due to limited sample.*

4.3 SPERM

Sperm identified – select “Positive” OR *Spermatozoa were identified on item(s) _____.*

One sperm identified – select “1 sperm” OR *One sperm cell was identified on item(s) _____.*

No sperm identified – select “Negative” OR *Spermatozoa were not identified on item(s) _____.*

Inconclusive sperm – select “Inc.” OR *Microscopic tests for the presence of spermatozoa were inconclusive on item(s) _____ due to physical characteristics.*

4.4 SALIVA

Positive amylase – select “Positive” OR *Preliminary testing indicated amylase, a constituent of saliva, on items _____. Amylase may be found in body fluids other than saliva.*

Negative amylase – select “Negative” OR *No amylase was detected on item(s) _____.*

Inconclusive amylase – select “Inc.” OR *Amylase testing for the presence of saliva on item(s) _____ was inconclusive due to limited sample and/or insufficient amylase activity.*

4.5 FECAL

Positive microscopic – select “Positive” OR *Microscopic observations indicated the presence of feces on item(s) _____.*

Negative microscopic – select “Negative” OR *Microscopic observations did not indicate the presence of feces on item(s) _____.*

Positive chemical – select “Positive” OR *Preliminary chemical testing indicated the presence of feces on items(s) _____.*



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Negative chemical – select “Negative” OR *Preliminary chemical testing did not indicate the presence of feces on item(s) _____.*

Inconclusive chemical – select “Inc.” OR *Preliminary chemical testing was inconclusive on items(s)____ due to limited sample.*

4.6 URINE

Positive chemical test – select “Positive” OR *Preliminary testing indicated the presence of urea, a constituent of urine, on item(s) _____. Urea may be found in body fluids other than urine.*

Negative chemical test – select “Negative” OR *Preliminary testing did not detect urea, a constituent of urine, on item(s) _____.*

Positive chemical test (blue color weaker than standard) – select “Inc.” OR *Preliminary testing for the presence of urea, a constituent of urine, was inconclusive on item(s) ____ due to limited sample.*

4.7 SPECIES

Positive reaction with anti-human or positive quant coupled with positive chemical blood test – select “Positive” OR *Preliminary testing indicated human blood on item(s) _____.*

Positive anti-sera:

∞-serum	Report as: <i>Preliminary testing indicated</i>
Bear	<i>blood from the bear family (Ursidae) on _____.</i>
Bovine	<i>blood from the cow sub-family (Bovidae) on _____.</i>
Cat	<i>blood from the cat family (Felidae) on _____.</i>
Chicken	<i>blood from the bird class (Aves) on _____.</i>
Deer	<i>blood from the deer/elk family (Cervidae) on _____.</i>
Goat	<i>blood from the goat/sheep sub-family (Caprinae) on _____.</i>
Dog	<i>blood from the dog family (Canidae) on _____.</i>
Horse	<i>blood from the horse family (Equidae) on _____.</i>
Mouse	<i>blood from the rodent order (Rodentia) on _____.</i>
Pig	<i>blood from the pig family (Suidae) on _____.</i>
Rabbit	<i>blood from the rabbit family (Leporidae) on _____.</i>
Rat	<i>blood from the rodent order (Rodentia) on _____.</i>
Sheep	<i>Blood from the goat/sheep sub-family (Caprinae) was detected on _____.</i>

Negative or multiple anti-sera – *Species could not be determined on item(s) _____.*

or

select “Negative” OR *No reaction was detected with _____ anti-sera on item(s) _____.*

Add this statement - *This type of testing is not covered under the accreditation scope.*

4.8 QUANT RESULT WHEN PRELIMINARY SPECIES TESTING WAS NEGATIVE OR INCONCLUSIVE

Human (No human) DNA was detected on item(s) _____.

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5 SEROLOGY NOTES**5.1 BLOOD**

The results for blood are from preliminary testing. (Hardcoded)*Inconclusive (Inc.) results for blood are due to limited sample and/or possible chemical interference.* (Hardcoded)

5.2 SEMEN

The results for semen are from preliminary tests based on the presence of either Acid Phosphatase (AP) and/or Prostate Specific Antigen (PSA). These are both constituents of semen and may be found in other body fluids. (Hardcoded)

Inconclusive (Inc.) results for semen are due to limited sample. (Hardcoded)

5.3 SPERM

Inconclusive (Inc.) results for spermatozoa are due to physical characteristics. (Hardcoded)

5.4 SALIVA

The results for saliva are from a preliminary test based on the presence of amylase. Amylase is a constituent of saliva and may be found in other body fluids. (Hardcoded)

Inconclusive (Inc.) results for saliva are due to limited sample and/or possible chemical/substrate interference. (Hardcoded)

5.5 FECAL

The chemical results for feces are from preliminary testing for the presence of urobilinogen. This type of testing is not covered under the accreditation scope. (Hardcoded)*Inconclusive (Inc.) results for feces are due to limited sample.* (Hardcoded)

5.6 URINE

The results for urine are from preliminary testing for the presence of urea. Urea is a constituent of urine and may be found in other body fluids. This type of testing is not covered under the accreditation scope. (Hardcoded)

Inconclusive (Inc.) results for urine are due to limited sample. (Hardcoded)

5.7 SPECIES

Species testing was inconclusive on item(s) _____ due to no reaction for _____ anti-sera. This type of testing is not covered under the accreditation scope.

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6 DNA NOTES**6.1 AMPLIFICATION KITS USED****6.1.1 ANALYSIS WITH POWERPLEX FUSION 6C**

STR profiles were produced using the PowerPlex Fusion 6C PCR Amplification Kit. (Hardcoded)

6.1.2 ANALYSIS WITH POWERPLEX Y23

Y-STR profiles were produced using the PowerPlex Y23 PCR Amplification Kit. (Hardcoded)

6.2 PORTIONS AND RECEIVED, NOT ANALYZED

Portions of all items referenced above have been retained in laboratory storage. All other items received were not analyzed. (Hardcoded unless another portion statement is used)

6.3 CODIS SEARCHES

CODIS searches will be routinely performed and any future matches will be reported. (Hardcoded)

6.4 DIFFERENTIAL EXTRACTION DEFINITION

Samples that have "epithelial fraction" and "sperm targeted fraction" in front of the item description were processed using a differential extraction procedure to separate spermatozoa (if present) from the other cells present in the sample. (Hardcoded)

6.5 LOW LEVEL

**The amount of male DNA detected is unlikely to produce a usable STR DNA profile. (Hardcoded)*

6.6 FEMALE – STR & Y-STR

A STR DNA profile was obtained. No Y-STR results were obtained. (Hardcoded)

6.7 INCONCLUSIVE DEFINITION

Inconclusive DNA results indicate that insufficient information exists to support any conclusion. (Hardcoded)

7 REPORTING MALE DNA (most applicable to sex assault cases/kits)**7.1 CRITERIA FOR RESULT SELECTION FROM QUANT DATA**

Detected = >0.00357 ng/ μ L

*Not Detected = undet. **OR** blank*

*Low Level = <0.00357 ng/ μ L **AND** [Auto]/[Y] ratio is $>10:1$*

Not tested = no extraction or quantitation done on the sample.

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8 DNA ANALYSIS**8.1 STOP AT QUANT [AUTO]**

Human DNA was detected; however, the amount detected is insufficient for further STR DNA analysis.

8.2 EXTRACTION ONLY

This should happen only on rare occasions (e.g., withdrawal).

DNA extraction was performed; however, analysis was discontinued. To request further analysis on this item, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here).

8.3 AUTOSOMAL STRs - SINGLE SOURCE

When reporting STRs and Y-STRs, you must differentiate between STRs and Y-STRs where appropriate.

8.4**8.4.1 SINGLE SOURCE – INCLUSION (entire profile > S_T)**

The DNA profile matches the DNA profile from item ____ (individual's name) at all 23 STR loci.

8.4.2 SINGLE SOURCE – RMP STATEMENT

The approximate incidence of this profile is 1 in ____ African Americans, 1 in ____ Caucasians and 1 in ____ Hispanics (1 trillion = 1,000,000,000,000, etc.), 1 in ____ Apaches and 1 in ____ Navajos.

8.4.3 SINGLE SOURCE – EXCLUSION

The DNA profile does not match the DNA profile from item ____ (individual's name).

8.4.4 SINGLE SOURCE – INCLUSION (some profile data < S_T)

The DNA profile matches the DNA profile from item ____ (individual's name) at # STR loci (#* = hets >A_T; homo >S_T). The approximate incidence of this profile is 1 in ____ African Americans, 1 in ____ Caucasians and 1 in ____ Hispanics. Item ____ (individual's name) cannot be excluded at #* STR loci (#* = hets splitting A_T; homo <S_T). Inconclusive and/or no results were obtained at the remaining #* STR loci (#* = loci with nothing >A_T) due to insufficient DNA.*

8.4.5 SINGLE SOURCE – INCLUSION (lower level analysis)

The DNA profile is consistent with a single contributor. Assuming this DNA profile is from only one contributor, item ____ (individual's name) matches at # STR loci (#* = hets >A_T; homo >S_T). The approximate incidence of this profile is 1 in ____ African Americans, 1 in ____ Caucasians and 1 in ____ Hispanics. Item ____ (individual's name) cannot be excluded at #* STR loci (#* = hets splitting A_T; homo <S_T). Inconclusive and/or no results*

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were obtained at the remaining #* STR loci (#* = loci with nothing >A_T) due to insufficient DNA.

8.4.6 SINGLE SOURCE – INCLUSION; NON-PROBATIVE

The DNA profile matches (or is consistent with) the DNA profile from item _____ (individual's name). **MUST have clear documentation in case notes why sample is non-probative.**

8.4.7 SINGLE SOURCE – EXCLUSION (lower level analysis)

The DNA profile is consistent with a single contributor. Assuming this DNA profile is from only one contributor, item _____ (individual's name) is excluded as the contributor.

8.5 AUTOSOMAL STRs – MIXTURES

The DNA profile is a mixture (implies only 2 people)/mixture of at least _____ individuals. **(Follow up with one of the statements below as necessary):**

8.5.1 MIXTURES w/ MAJOR**8.5.1.1 PROBATIVE MAJOR (1 individual)**

The major component of this mixture matches the DNA profile from item _____ (individual's name) at all 23 STR loci. The approximate incidence of this profile is 1 in _____ African Americans, 1 in _____ Caucasians and 1 in _____ Hispanics.

8.5.1.2 INCONCLUSIVE MINOR

Results for the minor component of this mixture are inconclusive due to insufficient DNA/complexity of the mixture.

8.5.1.3 NON-PROBATIVE MAJOR (1 individual)

The major component of this mixture matches (or is consistent with) the DNA profile from item _____ (individual's name). **MUST have clear documentation in case notes why sample is non-probative.**

8.5.1.4 PROBATIVE MAJOR (2 individuals)

The major component of this mixture is consistent with the combined DNA profiles from item _____ (individual's name) and item _____ (individual's name). It is _____ times more likely to observe this mixed DNA profile if item _____ (individual's name) and item _____ (individual's name) are the contributors than if item _____ (individual's name) and a random, unrelated African American are the contributors; _____ times more likely than if item _____ (individual's name) and a random, unrelated Caucasian are the contributors and _____ times more likely than if item _____ (individual's name) and a random, unrelated Hispanic are the contributors.

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8.5.1.5 PROBATIVE MAJOR (3 individuals)

The major component of this mixture is consistent with the combined DNA profiles from item ____ (individual's name), item ____ (individual's name) and item ____ (individual's name). It is ____ times more likely to observe this mixed DNA profile if item ____ (individual's name), item ____ (individual's name) and item ____ (individual's name) are the contributors than if item ____ (individual's name), item ____ (individual's name) and a random, unrelated African American are the contributors; ____ times more likely than if item ____ (individual's name), item ____ (individual's name) and a random, unrelated Caucasian are the contributors and ____ times more likely than if item ____ (individual's name), item ____ (individual's name) and a random, unrelated Hispanic are the contributors.

OR (adjust as needed for the number of unidentified in the sample)

The major component of this mixture is consistent with the combined DNA profiles from item ____ (individual's name), item ____ (individual's name) and item ____ (individual's name). It is ____ times more likely to observe this mixed DNA profile if item ____ (individual's name), item ____ (individual's name) and item ____ (individual's name) are the contributors than if item ____ (individual's name) and two random, unrelated African Americans are the contributors; ____ times more likely than if item ____ (individual's name) and two random, unrelated Caucasians are the contributors and ____ times more likely than if item ____ (individual's name) and two random, unrelated Hispanics are the contributors.

8.5.1.6 PROBATIVE MAJOR (2 individuals, intimate donor)

Assuming the presence of item ____ (intimate donor's name), the foreign DNA profile matches the DNA profile from item ____ (individual's name) at ____ # STR loci (#* = loci > S_T). The approximate incidence of this profile is 1 in ____ African Americans, 1 in ____ Caucasians and 1 in ____ Hispanics.*

8.5.1.7 PROBATIVE MAJOR (3+ INDIVIDUALS)

The major component of this mixture is from at least ____ individuals. The DNA profile from item ____ (individual's name) cannot be excluded as a contributor to the major component of this mixture. The approximate number of randomly selected, unrelated individuals who are potential contributors to this mixture is 1 in ____ African Americans, 1 in ____ Caucasians and 1 in ____ Hispanics. The approximate percentage of randomly selected, unrelated individuals who can be excluded as potential contributors to this mixture is ____ % of African Americans, ____ % of Caucasians and ____ % of Hispanics.

8.5.1.8 NON-PROBATIVE MAJOR (3+ INDIVIDUALS)

The major component of this mixture is from at least ____ individuals. The DNA profile from item ____ (individual's name) cannot be excluded as a contributor to the major component of this mixture.

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8.5.1.9 PROBATIVE MAJOR (some loci in stochastic zone, 1 individual)

The major component of this mixture matches the DNA profile from item _____ (individual's name) at ___ #* STR loci (#* = loci > S_T). The approximate incidence of this profile is 1 in ___ African Americans, 1 in ___ Caucasians and 1 in ___ Hispanics. Item _____ (individual's name) cannot be excluded† from the major component at ___ #* STR loci (#* = loci with any peak(s) < S_T). **If the major component cannot be determined at some loci, use of the alternate verbiage "...cannot be excluded from the mixture..." can be used.**

8.5.1.10 NON-PROBATIVE MAJOR (some loci in stochastic zone, 1 individual)

The major component of this mixture matches the DNA profile from item _____ (individual's name) at ___ #* STR loci (#* = loci > S_T). Item _____ (individual's name) cannot be excluded from the major component at ___ #* STR loci (#* = remaining loci).

8.5.1.11 PROBATIVE MAJOR (some loci in stochastic zone, 2 individuals)

The major component of this mixture is consistent with the combined DNA profiles from item _____ (individual's name) and item _____ (individual's name) at ___ #* STR loci (#* = loci > S_T). It is ___ times more likely to observe this mixed DNA profile if item _____ (individual's name) and item _____ (individual's name) are the contributors than if item _____ (individual's name) and a random, unrelated African American are the contributors; ___ times more likely than if item _____ (individual's name) and a random, unrelated Caucasian are the contributors and ___ times more likely than if item _____ (individual's name) and a random, unrelated Hispanic are the contributors. Item _____ (individual's name) cannot be excluded from the major component at ___ #* STR loci (#* = remaining loci: not eligible for stats). **If the major component cannot be determined at some loci, use of the alternate verbiage "...cannot be excluded from the mixture..." can be used.** The comparison of item (individual name) to this mixture is inconclusive at the remaining ___ STR loci due to insufficient DNA.

8.5.1.12 NON-PROBATIVE MAJOR (some loci in stochastic zone, 2 individuals)

The major component of this mixture is consistent with the combined DNA profiles from item _____ (individual's name) and item _____ (individual's name) at ___ #* STR loci (#* = loci > S_T). Item _____ (individual's name) cannot be excluded from the major component at ___ #* STR loci (#* = remaining loci).

8.5.1.13 PROBATIVE MAJOR – EXCLUSION (NOT EXCLUDED FROM MINOR)

The DNA profile is consistent with being from (#) individuals. Assuming a mixture of only (#) individuals, item _____ (individual's name) is excluded as a major contributor to this mixture.

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8.5.1.14 PROBATIVE MINOR (2 person)

The DNA profile is a mixture consistent with the combined DNA profiles from item ____ (individual's name) and item ____ (individual's name). It is ____ times more likely to observe this mixed DNA profile if item ____ (individual's name) and item ____ (individual's name) are the contributors than if item ____ (individual's name) and a random, unrelated African American are the contributors; ____ times more likely than if item ____ (individual's name) and a random, unrelated Caucasian are the contributors and ____ times more likely than if item ____ (individual's name) and a random, unrelated Hispanic are the contributors.

8.5.1.15 PROBATIVE MINOR - EXCLUSION (2 person)

Item ____ (individual's name) is excluded as a minor contributor to this mixture.

8.5.1.16 PROBATIVE MINOR (peaks in stochastic zone)

The DNA profile is a mixture consistent with the combined DNA profiles from item ____ (individual's name) and item ____ (individual's name) at ____ # STR loci (#* = loci > S_T; unambiguous het pairs > A_T). It is ____ times more likely to observe this mixed DNA profile if item ____ (individual's name) and item ____ (individual's name) are the contributors than if item ____ (individual's name) and a random, unrelated African American are the contributors; ____ times more likely than if item ____ (individual's name) and a random, unrelated Caucasian are the contributors and ____ times more likely than if item ____ (individual's name) and a random, unrelated Hispanic are the contributors. Items ____ (individual's names) cannot be excluded as contributors to the mixture at ____ STR loci. The comparison of item ____ (individual name) to this mixture is inconclusive at the remaining ____ STR loci due to insufficient DNA.*

8.5.1.17 PROBATIVE MINOR - EXCLUSION (peaks in stochastic zone)

The DNA profile is consistent with being from (#) individuals. Assuming a mixture of only (#) individuals, item ____ (individual's name) is excluded as a minor contributor to this mixture.

8.5.1.18 PROBATIVE MINOR (3+ person)

The DNA profile from item ____ (individual's name) cannot be excluded as a contributor to the mixture at ____ # STR loci (#* = all matching alleles > S_T). The approximate number of randomly selected, unrelated individuals who are potential contributors to this mixture is 1 in ____ African Americans, 1 in ____ Caucasians and 1 in ____ Hispanics. The approximate percentage of randomly selected, unrelated individuals who can be excluded as potential contributors to this mixture is ____ % of African Americans, ____ % of Caucasians and ____ % of Hispanics.*

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8.5.1.19 PROBATIVE MINOR (3+ person) – EXCLUSION

The DNA profile is consistent with being from (#) individuals. Assuming a mixture of only (#) individuals, item ____ (individual's name) is excluded as a minor contributor to this mixture.

8.5.1.20 PROBATIVE MINOR (3+ person) – INCONCLUSIVE

The comparison of item ____ (individual's name) to this mixture is inconclusive due to the complexity of the mixture/insufficient DNA.

8.5.1.21 EXCLUSION FROM MIXTURE WITH MAJOR/MINOR

Item ____ (individual's name) is excluded as a contributor/major contributor to this mixture.

8.5.2 MIXTURE w/ NO MAJOR (2 person, entire profile > S_T)

The DNA profile is a mixture consistent with the combined DNA profiles from item ____ (individual's name) and item ____ (individual's name) at 23 STR loci.

8.5.2.1 LIKELIHOOD RATIO

It is ____ times more likely to observe this mixed DNA profile if item ____ (individual's name) and item ____ (individual's name) are the contributors than if item ____ (individual's name) and a random, unrelated African American are the contributors; ____ times more likely than if item ____ (individual's name) and a random, unrelated Caucasian are the contributors and ____ times more likely than if item ____ (individual's name) and a random, unrelated Hispanic are the contributors.

8.5.2.2 EXCLUSION

Item (individual's name) is excluded as a contributor to this mixture.

8.5.3 MIXTURE w/ NO MAJOR (2 person, peaks present in stochastic zone)

The DNA profile is a mixture consistent with the combined DNA profiles from item ____ (individual's name) and item ____ (individual's name) at ____ # STR loci (#* = all matching alleles > S_T and/or all matching, unambiguous het pairs). Items ____ (individual's names) cannot be excluded as contributors to the mixture at ____ STR loci. The comparison of item (individual name) to this mixture is inconclusive at the remaining ____ STR loci due to insufficient DNA.*

8.5.3.1 LIKELIHOOD RATIO

It is ____ times more likely to observe this mixed DNA profile if item ____ (individual's name) and item ____ (individual's name) are the contributors than if item ____ (individual's name) and a random, unrelated African American are the contributors; ____ times more likely than if item ____ (individual's name) and a random, unrelated Caucasian are the contributors and ____ times more likely

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than if item ____ (individual's name) and a random, unrelated Hispanic are the contributors.

8.5.3.2 EXCLUSION

Item ____ (individual's name) is excluded as a contributor to this mixture.

8.5.4 MIXTURE w/ NO MAJOR – LOW LEVEL ANALYSIS (2 person, peaks present in stochastic zone)

The DNA profile is a mixture consistent with being from 2 individuals. Assuming this mixture is from 2 individuals, it is consistent with the combined DNA profiles from item ____ (individual's name) and item ____ (individual's name) at ____ #* STR loci (#* = all matching alleles $> S_T$ and/or all matching, unambiguous het pairs). Items ____ (individual's names) cannot be excluded as contributors to the mixture at ____ STR loci. The comparison of item (individual name) to this mixture is inconclusive at the remaining ____ STR loci due to insufficient DNA.

8.5.5 MIXTURE w/ NO MAJOR (3+ person, entire profile $> S_T$)

The DNA profile from item ____ (individual's name) cannot be excluded as a contributor to the mixture.

8.5.5.1 PE/PI

The approximate number of randomly selected, unrelated individuals who are potential contributors to this mixture is 1 in ____ African Americans, 1 in ____ Caucasians and 1 in ____ Hispanics. The approximate percentage of randomly selected, unrelated individuals who can be excluded as potential contributors to this mixture is ____ % of African Americans, ____ % of Caucasians and ____ % of Hispanics.

8.5.5.2 EXCLUSION

Item ____ (individual's name) is excluded as a contributor to this mixture.

8.5.6 MIXTURE w/ NO MAJOR (3+ person, peaks present in stochastic zone)

The DNA profile from item ____ (individual's name) cannot be excluded as a contributor to the mixture.

8.5.6.1 PE/PI

The approximate number of randomly selected unrelated individuals who are potential contributors to this mixture is 1 in ____ African Americans, 1 in ____ Caucasians and 1 in ____ Hispanics. The approximate percentage of randomly selected unrelated individuals who can be excluded as potential contributors to this mixture is ____ % of African Americans, ____ % of Caucasians and ____ % of Hispanics (statistical calculations performed at #STR loci).

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8.5.6.2 EXCLUSION

The DNA profile is consistent with being from (#) individuals. Assuming a mixture of only (#) individuals, item ____ (individual's name) is excluded as a contributor to this mixture.

8.5.7 MIXTURE w/ NO MAJOR – INCONCLUSIVE (peaks present in stochastic zone)

The DNA profile is a mixture of at least __ individuals. The comparison of item ____ (individual's name) to this mixture is inconclusive due to the complexity of the mixture/insufficient DNA.

8.5.8 MIXTURE w/ NO MAJOR – INELIGIBLE FOR CODIS

Although this profile does not meet the minimum requirements for entry into CODIS, comparison may be possible upon receipt of known/suspect(s) standards.

8.5.9 MINOR CONSISTENT WITH STANDARD (e.g. intimate donor in differential sample)

Item ____ (individual's name) is consistent with/cannot be excluded from the minor component of this mixture.

8.5.10 CANNOT EXCLUDE FROM MIXTURE (non-probative associations)

Item ____ (individual's name) cannot be excluded as a contributor to the mixture.

8.5.11 ADDITIONAL ALLELES PRESENT AND CANNOT BE ASSOCIATED WITH KNOWN

The DNA profile is a mixture consistent with the combined DNA profiles from item ____ (individual's name) and an unidentified individual.

8.6 KNOWN STANDARD NOT USEABLE FOR COMPARISON

The DNA profile is a mixture and therefore is unsuitable for comparison.

8.7 KNOWN STANDARD ONLY REPORTING

A STR DNA profile was obtained (and entered into CODIS). (Hardcoded)

OR

A STR and Y-STR DNA profile was obtained (and entered into CODIS). (Hardcoded)

8.8 REQUESTING KNOWN STANDARD FOR COMPARISON

Further interpretation may be possible upon receipt of a known standard from (name if known/the suspect/the consensual sex partner/the victim/etc.).

8.9 INCONCLUSIVE or NO RESULTS

The comparison to item ____ (individual's name) is inconclusive due to insufficient DNA (or due to the complexity of the mixture, etc.).



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The DNA profile is a mixture of at least ____ individuals. The mixture is otherwise inconclusive due to its complexity (and/or due to insufficient DNA).

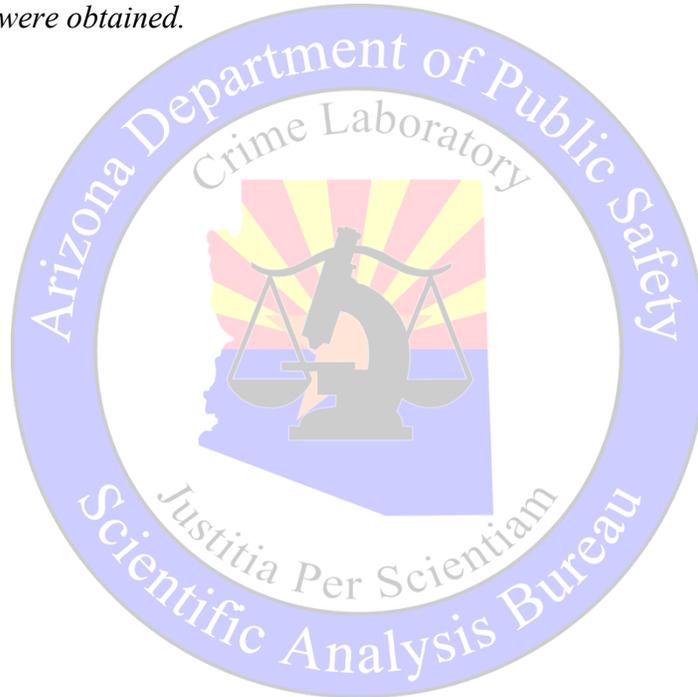
Inconclusive STR results were obtained due to insufficient DNA (or due to the complexity of the mixture, etc.).

Inconclusive or no STR results were obtained due to insufficient DNA (or due to the complexity of the mixture, etc.).

Inconclusive STR results were obtained due to the quantity of the sample not being sufficient to complete the analysis (e.g. would use this when a sample is inconclusive due to EDNA and not enough sample to go back to for re-extraction, re-amp, etc.).

Inconclusive STR results were obtained due to a quality control measure not meeting specifications.

No STR results were obtained.



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9 Y-STRs

When reporting STRs and Y-STRs, you must differentiate between STRs and Y-STRs where appropriate.

If the Q sample was amplified with the Y-STR kit and a female standard was amplified with the Y-STR kit, you must select “Female – STR & Y-STR” in the report (see DNA Notes).

9.1 SINGLE SOURCE – INCLUSION ONLY Y-STRs

The Y-STR DNA profile matches the Y-STR DNA profile from item ____ (individual’s name) at ____ Y-STR loci.

9.2 SINGLE SOURCE STR (intimate donor) + SINGLE SOURCE Y-STR

The DNA profile is a mixture. The STR component of this mixture is consistent with/matches the DNA profile from item ____ (intimate donor’s name) at (#) STR loci. The Y-STR component of this mixture matches the Y-STR DNA profile from item ____ (individual’s name) at (#) Y-STR loci.

9.3 MALE RELATIVE STATEMENT

*Therefore, (individual’s name) and all of his paternally related male relatives cannot be excluded as the contributor of the Y-STR DNA. **This statement is not needed if the STR profile from the questioned (Q) item matches the STR profile from the comparison standard.***

9.4 INCLUSION STATISTICS

This Y-STR DNA profile (has been observed {total number of times it has been observed in the database} times or has not been observed) in the Y Chromosome Haplotype Reference Database and is not expected to occur more frequently than 1 in ____ African-American males, 1 in ____ Caucasian males and 1 in ____ Hispanic males.

9.5 PARTIAL Y-STR STATISTIC DONE

(statistical calculation performed on # Y-STR loci). Insert this phrase at the end of the statement with statistics.

9.6 SINGLE SOURCE – EXCLUSION Y-STRs

The Y-STR DNA profile does not match the Y-STR DNA profile from item ____ (individual’s name).

9.7 MIXTURE – EXCLUSION

The Y-STR DNA profile is a mixture {or mixture of ____ (minimum # of individuals)}. The Y-STR DNA profile from item ____ (individual’s name) is excluded as a contributor to the mixture.

9.8 MORE DIFFICULT MIXTURE – EXCLUSION

Assuming the Y-STR DNA profile is a mixture {or mixture of ____ (minimum # of individuals)}, the Y-STR DNA profile from item ____ (individual’s name) is excluded as a contributor to the mixture.

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9.9 MIXTURE w/ MAJOR

The Y-STR DNA profile from the major component of the mixture matches the Y-STR DNA profile from item ____ (individual's name) at ____ Y-STR loci.

9.10 CANNOT EXCLUDE FROM MIXTURE; NON-PROBATIVE

The Y-STR DNA profile is a mixture {or mixture of ____ (minimum # of individuals)}. Item ____ (individual's name) cannot be excluded as a contributor to the mixture.

9.11 FEMALE KNOWN STANDARD WITH Y-STR

Inconclusive Y-STR results were obtained due to an unexpected male profile observed in the sample.

9.12 INCONCLUSIVE OR NO RESULTS

The comparison to item ____ (individual's name) is inconclusive due to insufficient DNA (or due to the complexity of the mixture, etc.).

The Y-STR DNA profile is a mixture of at least ____ individuals. The mixture is otherwise inconclusive due to its complexity (and/or due to insufficient DNA).

Inconclusive Y-STR results were obtained due to insufficient DNA (or due to the complexity of the mixture, etc.).

Inconclusive or no Y-STR results were obtained due to insufficient DNA (or due to the complexity of the mixture, etc.).

Inconclusive Y-STR results were obtained due to the quantity of the sample not being sufficient to complete the analysis (e.g. would use this when a sample is inconclusive due to EDNA and not enough sample to go back to for re-extraction, re-amp, etc).

Inconclusive Y-STR results were obtained due to a quality control measure not meeting specifications.

No Y-STR results were obtained.



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10 COMPARING LEGACY DATA

10.1 Q DATA FROM LEGACY KIT, K DATA FROM CURRENT IN-USE KIT

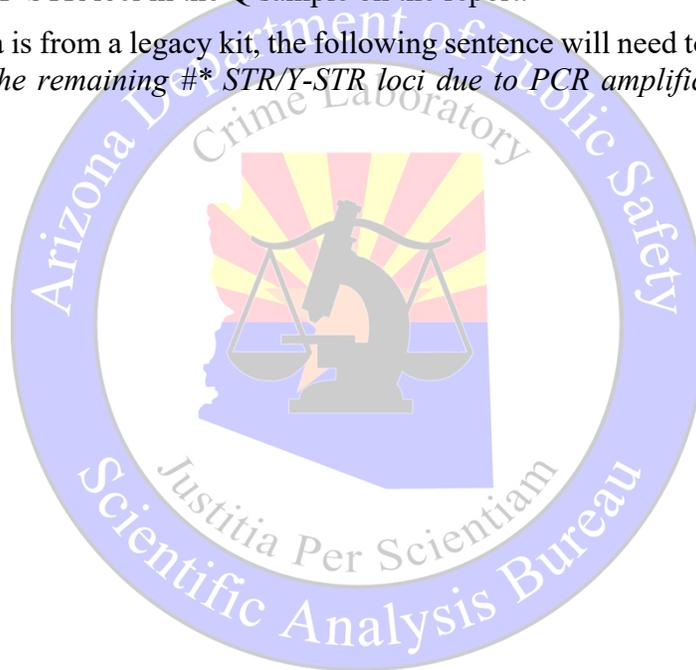
If the Q data is from a legacy kit (Profiler Plus, Cofiler, Minifiler, Identifiler, Identifiler Plus and/or Yfiler), and the K data is from the current in-use kit (Fusion 6C and/or Y23), you must account for all STR and/or Y-STR loci in the Q sample on the report.

No further statement needs to be made about the K data having additional loci that are not being compared.

10.2 Q DATA FROM CURRENT IN-USE KIT, K DATA FROM LEGACY KIT

If the Q data is from the current in-use kit (Fusion 6C and/or Y23) and the K data is from a legacy kit (Profiler Plus, Cofiler, Minifiler, Identifiler, Identifiler Plus and/or Yfiler), you must account for all STR and/or Y-STR loci in the Q sample on the report.

Since the K data is from a legacy kit, the following sentence will need to be added: *No comparisons were made at the remaining #* STR/Y-STR loci due to PCR amplification kit differences (#* = remaining loci).*



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11 PATERNITY**Always report under the child item number.****11.1 PATERNITY – CANNOT EXCLUDE**

The DNA profile is consistent with having come from a ____ (male or female) offspring of items ____ (mother's name and ____ (alleged father's name) at ____ loci.

11.2 PATERNITY INDEX < 10,000

Further testing is recommended.

11.3 PATERNITY –EXCLUSION AT ONE LOCUS

The DNA profile is consistent with having come from a ____ (male or female) offspring of items ____ (mother's name) and ____ (alleged father's name) at ____ STR loci. Results at the locus ____ were inconsistent with paternity. A one locus inconsistency does not constitute a paternal exclusion. Based on the DNA profiling results, the alleged father (alleged father's name) cannot be excluded as being the biological father of the (child's name).

11.4 PATERNITY – PATERNAL EXCLUSION

The DNA profile is not consistent with having come from an offspring of item ____ (alleged father's name).

11.5 PATERNITY – STATISTICS

The DNA evidence is ____ times more likely to be seen if item ____ (alleged father's name) is the father than if a random, unrelated African-American male is the father; ____ times more likely if a random, unrelated Caucasian male is the father and ____ times more likely if a random, unrelated Hispanic male is the father.

11.6 PATERNITY – INCLUSION STRs AND Y-STRs

The STR DNA profile is consistent with having come from a male offspring of items ____ (mother's name and ____ (alleged father's name) at ____ STR loci. The DNA evidence is ____ times more likely to be seen if item ____ (alleged father's name) is the father than if a random, unrelated African-American male is the father; ____ times more likely if a random, unrelated Caucasian male is the father and ____ times more likely if a random, unrelated Hispanic male is the father.

The Y-STR DNA profile matches the Y-STR DNA profile from item ____ (alleged father's name) at 23 Y-STR loci. This Y-STR DNA profile (has been observed {total number of times it has been observed in the database} times or has not been observed) in the Y Chromosome Haplotype Reference Database and is not expected to occur more frequently than 1 in ____ African-American males, 1 in ____ Caucasian males and 1 in ____ Hispanic males.

No Y-STR results were obtained. (female child)

11.7 SINGLE PARENTAGE

The DNA profile is consistent with having come from a ____ (male or female) offspring of item ____ (parent's name) at ____ loci.

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11.7.1 SINGLE PARENTAGE – EXCLUSION AT ONE LOCUS

The DNA profile is consistent with having come from a ____ (male or female) offspring of item ____ (parent's name) at ____ STR loci. Results at the locus ____ were inconsistent with ____ (paternity or maternity). A one locus inconsistency does not constitute a ____ (paternal or maternal) exclusion. Based on the DNA profiling results, item ____ (parent's name) cannot be excluded as being the biological ____ (mother or father) of item ____ (child's name/remains).

11.7.2 SINGLE PARENTAGE – PARENTAL EXCLUSION

The DNA profile is not consistent with having come from an offspring of item ____ (parent's name).

11.7.3 SINGLE PARENTAGE – STATISTICS

The DNA evidence is ____ times more likely to be seen if item ____ (parent's name) is the ____ (mother or father) than if a random, unrelated African-American ____ (male or female) is the ____ (mother or father); ____ times more likely to be seen than if a random, unrelated Caucasian ____ (male or female) is the ____ (mother or father) and ____ times more likely to be seen than if a random, unrelated Hispanic ____ (male or female) is the ____ (mother or father).

11.8 REVERSE PATERNITY

The DNA profile is consistent with having come from a ____ (male or female) offspring of items ____ (mother's name) and ____ (alleged father's name) at ____ loci.

11.8.1 REVERSE PARENTAGE – EXCLUSION AT ONE LOCUS

The DNA profile is consistent with having come from a ____ (male or female) offspring of items ____ (mother's name) and ____ (father's name) at ____ STR loci. Results at the locus ____ were inconsistent with ____ (paternity or maternity). A one locus inconsistency does not constitute a ____ (paternal or maternal) exclusion. Based on the DNA profiling results, items ____ (mother's name) and ____ (father's name) cannot be excluded as being parents of item ____ (sample description).

11.8.2 REVERSE PARENTAGE – PARENTAL EXCLUSION

The DNA profile is not consistent with having come from a ____ (male or female) offspring of items ____ (mother's name) and ____ (father's name).

11.8.3 REVERSE PARENTAGE – STATISTICS

The DNA evidence is ____ times more likely to be seen if it is from a ____ (male or female) offspring of items ____ (mother's name) and ____ (father's name) than if a random, unrelated African-American ____ (male or female); ____ times more likely than if a random, unrelated Caucasian (male or female) and ____ times more likely than if a random, unrelated Hispanic (male or female).



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12 MISSING PERSON/ UHR

12.1 KINSHIP

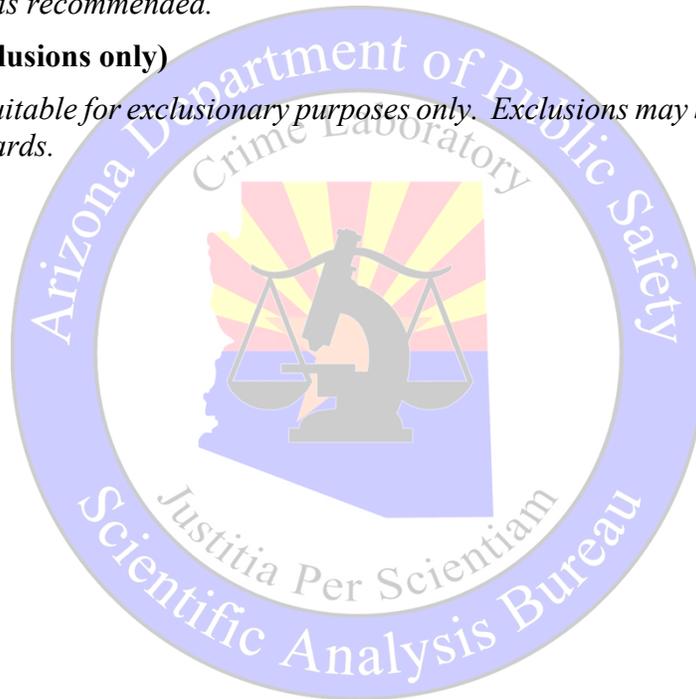
The DNA profile obtained is consistent with having come from a ____ (male or female) biological offspring of item (alleged parent's name) and/or (sibling, niece, nephew, etc.) of item ____ (individual's name). The DNA evidence is ____ times more likely to be seen if the donor of the profile is the (male or female) biological (relative: parent, etc.) of item ____ (individual's name) than if the donor is a random, unrelated African-American individual; ____ times more likely than if the donor is a random, unrelated Caucasian individual and ____ times more likely than if the donor is a random, unrelated Hispanic individual.

12.2 KINSHIP INDEX < 10,000

Further testing is recommended.

12.3 KINSHIP (exclusions only)

This profile is suitable for exclusionary purposes only. Exclusions may be possible upon submission of known standards.



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13 CODIS**13.1 CASEWORK SAMPLES – NO COMPARISON**

An unidentified (male/female) (partial) DNA profile(s) was obtained and has (have) been entered into CODIS.

The DNA profile is a mixture. An unidentified (major/minor/mixed/partial) (male/female) DNA profile developed from the mixture has been entered into CODIS.

Note: Analyst must define in case notes what statistical approach is intended to be used if an investigative lead occurs (e.g., if the unidentified major is probative, RMP (does not need to be written if clear/obvious in the summary sheet/egram or must be written if unclear); if the unidentified minor is probative, LR will be done; etc.).

13.2 CASEWORK SAMPLES – FORENSIC AND SUSPECT COMPARISON

The DNA profile(s) has (have) been entered into CODIS.

13.3 CASEWORK SAMPLES – SUSPECT DOES NOT MATCH

The DNA profile(s) do (does) not match the DNA profile from item _____ (individual's name). This DNA profile is from an unidentified male/female and has been entered into CODIS.

13.4 NOT ELIGIBLE FOR CODIS ENTRY

An unidentified (male/female) DNA profile was obtained.

A partial (or mixed) DNA profile was obtained.

Add this statement if it applies: *Although this profile does not meet the minimum requirements for entry into CODIS, comparison may be possible upon receipt of known/suspect(s) standards.*

13.5 HIT REPORT – ADDITIONAL RELEVANT INFORMATION

Required on all hit reports if ONE of the profiles involved in the match is a mixture or partial profile. Legacy data may need to be reviewed to determine if the CODIS entry is a true partial profile.

One of the DNA profiles involved in this CODIS match is listed as a partial or mixed profile.

13.6 REMOVAL FROM CODIS

The DNA profile from item(s) _____ has (have) been removed from CODIS because it was determined to not meet CODIS eligibility requirements.

**13.7 UNKNOWN PROFILE – NOT ENOUGH INFORMATION FOR CODIS ENTRY
(participating labs)**

The DNA profile may be eligible for entry into CODIS. Prior to CODIS entry, additional information is required. Please contact the Forensic Scientist below.

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14 OUTSOURCING**14.1 CASES SENT TO OUTSOURCE LAB**

A portion of item ___ was outsourced to ___ (Outsourcing Lab name) for DNA analysis. DNA portions (or extract) from item ___ will be returned to the Arizona Department of Public Safety Crime Laboratory for storage. For DNA analysis results, see ___ (Outsourcing Lab name) report ___ (Outsourcing Lab case number).

14.2 CODIS ELIGIBLE PROFILES

The DNA data developed by ___ (Outsourcing Lab name) from case (Outsourcing Lab case number) has been reviewed and evaluated for entry into CODIS.

The DNA profile(s) from item(s) ___ has/have been entered into CODIS.

14.3 NOT CODIS ELIGIBLE PROFILES

The DNA data developed by ___ (Outsourcing Lab name) from case (Outsourcing Lab case number) has been reviewed and evaluated; however, no profile(s) was/were eligible for CODIS entry.

14.4 MAY BE CODIS ELIGIBLE PROFILES

The DNA data developed by ___ (Outsourcing Lab name) from case (Outsourcing Lab case number) has been reviewed and evaluated; however, elimination standards will be needed to determine eligibility for CODIS entry.

14.5 REQUEST FOR ELIMINATION STANDARDS

The following will need to be submitted to ___ (Outsourcing Lab name):

- 1. Buccal sample from the suspect(s)*
- 2. Buccal sample from the consensual sex partner(s)*
- 3. Buccal sample from the homeowner, vehicle owner, etc... (as applies to case)*

14.6 KNOWN PROFILE SENT TO OUTSOURCE LAB

*This DNA profile has been sent to ___ (Outsourcing Lab name) for comparison to results from case (Outsourcing Lab case number), report dated (Month day, year). **This sentence to follow KNOWN STANDARD ONLY REPORTING wording.***

*This DNA profile may be sent to ___ (Outsourcing Lab name) for comparison to results from case (Outsourcing Lab case number), report dated (Month day, year). To request this comparison, please contact the DNA Supervising Forensic Scientist at (add appropriate phone # here). **This sentence to follow KNOWN STANDARD ONLY REPORTING wording.***



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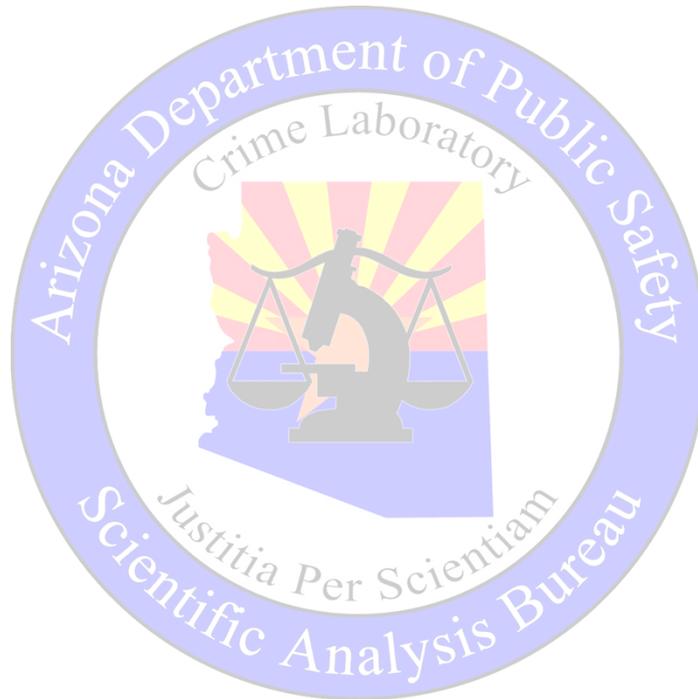
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14.7 DNA PROFILE OBTAINED TO VERIFY CODIS ELIGIBILITY

A DNA profile was obtained from item ___ and used to verify the CODIS eligibility of the results from Sorenson Forensics case SF#, report dated Month, Day Year.

14.8 DNA PROFILE PREVIOUSLY ENTERED INTO CODIS

The DNA profile previously entered into CODIS from item ___ (description) does not match the DNA profile from item ___ (description).*





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REVISION HISTORY

CHANGES	DATE	ISSUING AUTHORITY
New Document	December 2015	SAB Superintendent
Changed Criminalist to Forensic Scientist. Corrected format and grammar throughout. Updated the Agency Notification wording to be used for any unit. Added clarification to 1.11 and 1.15. Added report wording for one sperm cell to serology section. Added an inconclusive AP statement to the serology section. Added qualifiers to inconclusive blood wording and positive amylase <1:500 wording. Changed all references to AB quant kit and amp kits to Promega kits. Added wording for Amended Statistics. Added wording for Outsourcing. Updated Y-STR database for statistics. Added clarification to 4.3 and 7.1. Changed wording in 7.5 to reflect what was actually searched in CODIS.	November 2016	SAB Superintendent
FBRWM Rev 3 Significant Changes: Removed AutoOpen Macro. General formatting and grammar fixed. See Changes Document for specific revisions. Changed the order of ethnicity groups for reporting statistics to alphabetical throughout. Added a section regarding how to report comparison of legacy kit data. Added wording to be used if Y-STR statistic is calculated for yfiler loci only. Updated withdrawal wording requested by a submitting agency/county attorney to be consistent with the SAB QAM. Added withdrawal wording for prohibited possessor cases. Added withdrawal wording for no charges pending. Added withdrawal wording for dual request drug cases and dual request touch DNA cases. Added Kinship <10,000 wording. Added wording to Outsource section. Added wording to request standard for further interpretation. Added wording for failed control	August 2018	SAB Superintendent



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to STR and Y-STR sections. Added property crime agency notification withdrawal section. Added statement for female known standard with an unexpected male Y-STR profile. Updated crime scene assistance section. Added wording for attempting to obtain permission to consume. Removed Quick Screen wording, added new Direct-to-DNA section. Added stop at quant wording for STR DNA analysis.

Rev 4

General formatting and grammar fixed. See Changes Document for specific revisions. Guidelines have been rearranged to accommodate new serology and DNA report formatting. New sections include Action Item(s), Notes, Serology Notes and DNA Notes. Several statements have become hardcoded into the reports and have been labeled accordingly.

December 2019

SAB Superintendent

