

OUTSOURCED DNA CASEWORK TECHNICAL REVIEW FORM

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

Review Date: _____ Contract Lab: _____ Contractor's Identifier # _____ FS LAB # _____

YES NO N/A

EXAMINATION DOCUMENTATION

1. Have the case notes/worksheets been completed and in accordance with (IAW) DFS requirements as to:

- a. All worksheets and analytical data have been returned to DFS (i.e., extraction, amplification, and typing gel data sheets, STaRCall and landscape spreadsheets, scanned and final gel images)
- b. Completed Chain of Custody
- c. The case number and the appropriate handwritten initials appear on each page
- d. Packaging descriptions and conditions are documented, item numbers are properly recorded, and evidence is properly described.
- e. The examination documentation is complete, neat and of sufficient detail (i.e., all spaces filled out on worksheets)
- f. Documentation of contractor's internal technical review

DFS REVIEWER'S INTERPRETATION AND COMPARISONS

- 2. Do computer software generated allele calls correspond with analytical images and the alleles recorded by the contractor?
- 3. If multiple analyses of a sample(s) were performed, is the consensus profile accurate?
- 4. Were all samples analyzed IAW acceptable scientific practices and DFS requirements?
- 5. Did all controls (i.e., allelic ladders, internal lane standards, reagent and amplification controls) perform as expected?
- 6. Are the typing gel images suitable for comparison (factors such as mixtures/contamination, band morphology and intensity, microvariants/off ladder alleles)?
- 7. Are the results probative and/or suitable for conclusions? If appropriate, have conclusions been drawn based upon comparison data?
- 8. Have appropriate CODIS searches been conducted? Where appropriate has the DNA profile(s) been uploaded?

REVIEWER'S COMMENTS

Co-Reviewer Signature/Date _____

Co-Reviewer Signature/Date _____