

Batched DNA Technical Review Checklist

Case #: _____

Batch #: _____

SAMPLE ANALYSIS

Batch Case
file file

_____ Complete description of evidence and packaging?

_____ Chain of custody properly documented?

_____ Significant observations documented?

_____ Quantitation OK?

_____ Amplification worksheet(s) OK?

DATA INTERPRETATION

Batch Case
file file

_____ Expected results obtained for size standard(s) and allelic ladder(s)?

_____ Positive control(s)/QC stain(s) correct?

_____ Negative control(s)/Reagent Blank(s) contain no peaks above detection threshold?

_____ All peaks addressed in all samples?

_____ Data reviewed by a second qualified analyst? All profiles compared within the batch?

_____ Homozygous genotypes meet stochastic threshold requirements?

_____ All probative samples run through STRmix? Appropriate propositions tested?

_____ STRmix parameters and diagnostics evaluated?

_____ STRmix results agree with qualitative expectations?

_____ Statistical calculations documented and correct?

_____ All CODIS eligible profiles verified and uploaded?

_____ Proper records included in case file and electronic data DVD?

_____ Typing Results worksheet(s) accurately reflect DNA results and interpretations?

REPORT

Case file

_____ Agency concerns and/or questions addressed?

_____ Report accounts for all evidence examined?

_____ All significant examinations in notes included in the report?

_____ Correct statistical results included?

_____ Inclusion, exclusion, and inconclusive statements consistent with results?

_____ Table reports all DNA profiles suitable for comparison to reference profiles?

Tech Reviewer: _____ Date: _____