

Approved by Director: Dr. Guy Vallaro

1. All cases **except** Sexual Assault and Homicide cases will follow the stop (or halt) at the quantification step procedure. Sexual Assaults follow the Male Screen Procedure (DNA SOP-34), and Homicide cases are not stopped at quant unless the work request is canceled.
2. Cases other than the above that do not have a suspect known submitted to the laboratory will be stopped at the quantification step if the amount detected is under **0.00067 ng/μL** in all the target columns on the trio quant report. The sample will not be halted if any target (SA, LA, Y) is greater than 0.00067ng/μL. This is equivalent to approximately 10pg total input DNA when amplifying 15 μL of the genomic DNA.
3. The known samples for cases that qualify (as stated in #1) as a possible stop at quant case will be examined, put on the spreadsheet with the notation "examine -portion retained," and a portion retained at the laboratory for future testing. **Case Management will not be adding the knowns to the known spreadsheet.**
4. If a suspect known is at the lab, or the samples are moving forward since they are above the stop at quant value, that would be the time the known spreadsheet would be updated to have the sample(s) tested and elimination knowns would also be processed.

All non-differential sets will have at least 1 Reagent Blank processed, which will be quantitated with its respective set. Therefore, if an entire batch is stopped, the reagent blank/extraction positive will not have to be amplified and run with CE.

5. If a suspect's known sample comes in after the case was stopped, the extract will be amplified as appropriate.
6. No further testing will be done if a sample's quant result is "undetected" or under the cutoff, in all three columns on the Trio report.
7. Stopped samples will be noted and justified in the batch paperwork; please see DNA QR-48 Stop at Quant List.
8. Stopped samples will be reported following the language in DNA SOP-6 concerning the "stop at quant."
9. A remark on the report will be written to ask for any knowns from potential suspects or victims, as appropriate.

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10. If all the samples in a case were halted, the report will ask for elimination, and suspect knowns since extract is available to be processed.

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