FB SOP-26 Training Manual and Checklist

Approved by Director: Dr. Guy Vallaro

Document ID: 2286

Revision: 13

Effective Date: 01/29/2025

Status: Published Page 1 of 17

Forensic Biology Training Manual

| Trainee: | |
|--------------------------|--|
| | |
| Training Plan Approvals: | |
| | |
| | |
| Start Date: | |
| | |
| Completion Date: | |
| Completion Approval: | |
| Forensic Biology Lead: | |
| Manager: | |

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PURPOSE

To provide a comprehensive training program for Forensic Biology Examiners (however titled) new to DSS or the FB Unit. Upon successful completion, this program will allow employees to conduct casework independently.

OVERVIEW

- 1. The Forensic Biology Lead will determine the appropriate training plan. The Assistant Director, Deputy Director and/or Director will approve the training plan.
- 2. Training may be conducted in stages. Trainees may complete competencies and work on casework for specific procedures prior to completing training in its entirety. Training for additional procedures may subsequently be conducted.
- 3. The amount of time necessary to achieve competency in a given procedure may be dependent on the trainee's previous experience. With proper approval, training may be modified to account for prior training and experience. Independent procedure practice(s) may be utilized, with Lead approval.
- 4. Supervised and independent practices will be conducted using mock evidence samples.
- 5. Upon successful completion of training tasks, a competency will be issued upon a section manager's approval by initialing and dating the appropriate module (see GL 14 for additional information). Competencies will consist of a practical and a written and/or oral component. Competencies may also include a mock court assessment. Written/oral assessments should cover court-type questions when no mock court is utilized.
 - a. Practical: Trainees must obtain intended results. If a report component is included, the report will include appropriate result conveyance.
 - b. Written/Oral: Achieve a grade of 80% or higher.
 - c. Mock Court: Give acceptable, clear testimony. A single formal mock court may be conducted, encompassing multiple modules.
 - d. Upon successful completion, the Lead will notify the Quality Manager, Assistant Director and Deputy Directory via memo of recommended authorization.
 - e. See GL 14.5 for additional information.
- 6. Literature readings, supplemental references (Appendix 4) and validation summaries are available for trainee review during completion of module tasks.
- 7. Each case reviewed by a Unit Lead post competency (see applicable modules) will be documented within the training binder by utilizing FB QR-21 (Review Notes Worksheet). A Unit Lead will then initial and date the respective training module indicating completion of all necessary reviews.

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- 8. In the event that an examiner requires retraining, the area of retraining will be identified. The retraining will be provided and a competency / evaluation period will be initiated as determined by the Deputy Director, along with the Unit Lead, Quality Section and Director. Refer to GL-14 (General Training) and GL-1 (Quality Manual) for further guidance.
- 9. Since not all case scenarios are captured in training modules, examiners will observe various types of casework evidence upon availability. Examples include, but are not limited to, sexual assault secondary evidence and fingernail samples. Observations of more complex evidence should be formally documented within the training binder. Examiners will be assigned increasingly complex casework based on experience and Unit Lead evaluation.

10. Module Completion Expectations:

- a. Modules 1-5: \sim 4-5 weeks
- b. Modules 6-9: \sim 6-8 weeks

RESPONSIBILITY

Section Lead and/or designee of the Forensic Biology Unit (however titled) will provide training.

SAFETY

Use appropriate measures for the proper handling of physical evidence, biological materials and chemicals according to GL-2 (Safety Manual) Safety Data Sheets.

| Module 1: General I | ntroduction |
|---------------------|-------------|
| Trainee: | |
| Module Completion I | Date: |

<u>Goal(s):</u> The trainee will become familiar with the general DSS operations, general Forensic Biology Unit operations and individual responsibilities.

^{*}No assessment is required for this module.

| Task | Trainee Initials/Date | Trainer Initials/Date |
|--------------------------------------|--------------------------|--------------------------|
| Complete Laboratory Tour | | |
| Orientation to FB Unit | | |
| Read all General Laboratory Standard | | |
| Operating Procedures (GL/SOP) | | |
| Complete GL 2.2 | | |
| Complete GL 14.1 | | |

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| Module 2: General Evidence Handling |
|-------------------------------------|
| Trainee: |
| Module Completion Date: |

<u>Goal(s):</u> The trainee will learn to properly handle physical evidence, preserve evidence for future testing, operate the LIMS system, and demonstrate the basic tasks necessary to complete evidence documentation and handling.

<u>Reference(s)</u>: GL-4 (LIMS), GL-12 (Evidence Receiving), GL-13 (General Evidence Handling), FB SOP-01 (Evidence Examination and Sample Collection Guidelines), FB SOP-19 (Trace/HLF Examination) pages 1-2 through section 19.5.F.

| Trainee Initials/Date Orientation to Evidence Receiving (ER) Unit Learn laboratory case acceptance policies by reading relevant ER SOPs ER SOP -01, -1.1, -02, -04, -09, -17 Successfully complete aseptic training administered by DNA personnel Orientation to physical storage locations, associated LIMS designations and proper storage conditions for preservation of evidence for FB casework Orientation to personal protective equipment (PPE) storage locations and proper usage Learn to demonstrate the procedures for receipt, transfer, storage and return of evidence using LIMS, while maintaining proper chain of custody Learn to demonstrate how and when to create sub-items for evidence using LIMS FB specific use of LIMS demonstrated and practiced Learn to recognize proper evidence packaging and documentation Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency Written / Oral (circle applicable) | | | | |
|--|-----|--|---------------|---------------|
| □ Orientation to Evidence Receiving (ER) Unit □ Learn laboratory case acceptance policies by reading relevant ER SOPs □ ER SOP -01, -1.1, -02, -04, -09, -17 □ Successfully complete aseptic training administered by DNA personnel □ Orientation to physical storage locations, associated LIMS designations and proper storage conditions for preservation of evidence for FB casework □ Orientation to personal protective equipment (PPE) storage locations and proper usage □ Learn to demonstrate the procedures for receipt, transfer, storage and return of evidence using LIMS, while maintaining proper chain of custody □ Learn to demonstrate how and when to create sub-items for evidence using LIMS □ FB specific use of LIMS demonstrated and practiced □ Learn to recognize proper evidence packaging and documentation □ Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: | | Task | | |
| □ Learn laboratory case acceptance policies by reading relevant ER SOPs ER SOP -01, -1.1, -02, -04, -09, -17 □ Successfully complete aseptic training administered by DNA personnel □ Orientation to physical storage locations, associated LIMS designations and proper storage conditions for preservation of evidence for FB casework □ Orientation to personal protective equipment (PPE) storage locations and proper usage □ Learn to demonstrate the procedures for receipt, transfer, storage and return of evidence using LIMS, while maintaining proper chain of custody □ Learn to demonstrate how and when to create sub-items for evidence using LIMS □ FB specific use of LIMS demonstrated and practiced □ Learn to recognize proper evidence packaging and documentation □ Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency □ Practical – LIMS focused exercise | | | Initials/Date | Initials/Date |
| relevant ER SOPs ER SOP -01, -1.1, -02, -04, -09, -17 Successfully complete aseptic training administered by DNA personnel Orientation to physical storage locations, associated LIMS designations and proper storage conditions for preservation of evidence for FB casework Orientation to personal protective equipment (PPE) storage locations and proper usage Learn to demonstrate the procedures for receipt, transfer, storage and return of evidence using LIMS, while maintaining proper chain of custody Learn to demonstrate how and when to create sub-items for evidence using LIMS FB specific use of LIMS demonstrated and practiced Learn to recognize proper evidence packaging and documentation Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: Practical – LIMS focused exercise | | Orientation to Evidence Receiving (ER) Unit | | |
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| LIMS designations and proper storage conditions for preservation of evidence for FB casework Orientation to personal protective equipment (PPE) storage locations and proper usage Learn to demonstrate the procedures for receipt, transfer, storage and return of evidence using LIMS, while maintaining proper chain of custody Learn to demonstrate how and when to create sub-items for evidence using LIMS FB specific use of LIMS demonstrated and practiced Learn to recognize proper evidence packaging and documentation Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: Practical – LIMS focused exercise | | | | |
| preservation of evidence for FB casework ☐ Orientation to personal protective equipment (PPE) storage locations and proper usage ☐ Learn to demonstrate the procedures for receipt, transfer, storage and return of evidence using LIMS, while maintaining proper chain of custody ☐ Learn to demonstrate how and when to create sub-items for evidence using LIMS ☐ FB specific use of LIMS demonstrated and practiced ☐ Learn to recognize proper evidence packaging and documentation ☐ Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: ☐ Practical – LIMS focused exercise | | | | |
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| □ Learn to demonstrate the procedures for receipt, transfer, storage and return of evidence using LIMS, while maintaining proper chain of custody □ Learn to demonstrate how and when to create sub-items for evidence using LIMS □ FB specific use of LIMS demonstrated and practiced □ Learn to recognize proper evidence packaging and documentation □ Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: □ Practical – LIMS focused exercise | | | | |
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| while maintaining proper chain of custody Learn to demonstrate how and when to create sub-items for evidence using LIMS FB specific use of LIMS demonstrated and practiced Learn to recognize proper evidence packaging and documentation Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: Practical – LIMS focused exercise | | <u> </u> | | |
| □ Learn to demonstrate how and when to create sub-items for evidence using LIMS □ FB specific use of LIMS demonstrated and practiced □ Learn to recognize proper evidence packaging and documentation □ Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: □ Practical – LIMS focused exercise | | transfer, storage and return of evidence using LIMS, | | |
| for evidence using LIMS FB specific use of LIMS demonstrated and practiced Learn to recognize proper evidence packaging and documentation Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: Practical – LIMS focused exercise | | while maintaining proper chain of custody | | |
| □ FB specific use of LIMS demonstrated and practiced □ Learn to recognize proper evidence packaging and documentation □ Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: □ Practical – LIMS focused exercise | | Learn to demonstrate how and when to create sub-items | | |
| □ Learn to recognize proper evidence packaging and documentation □ Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: □ Practical – LIMS focused exercise | | for evidence using LIMS | | |
| documentation Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: Practical – LIMS focused exercise | | FB specific use of LIMS demonstrated and practiced | | |
| □ Learn to recognize physical evidence that requires other examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: □ Practical – LIMS focused exercise | | Learn to recognize proper evidence packaging and | | |
| examination methods (i.e. trace, latent prints, footwear impression, etc.) Trainer to review LIMS and QR documentation Competency approval: □ Practical – LIMS focused exercise | | documentation | | |
| impression, etc.) Trainer to review LIMS and QR documentation Competency approval: □ Practical – LIMS focused exercise | | Learn to recognize physical evidence that requires other | | |
| Trainer to review LIMS and QR documentation Competency approval: Practical – LIMS focused exercise | | examination methods (i.e. trace, latent prints, footwear | | |
| Competency approval: □ Practical – LIMS focused exercise | | impression, etc.) | | |
| ☐ Practical – LIMS focused exercise | | Trainer to review LIMS and QR documentation | | |
| | Com | petency approval: | | |
| ☐ Written / Oral (circle applicable) | | Practical – LIMS focused exercise | | |
| | | Written / Oral (circle applicable) | | |

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| Module 3: Legal Training |
|--------------------------|
| Trainee: |
| Module Completion Date: |

<u>Goal(s)</u>: The trainee will become familiar with the legal requirements of testimony in Connecticut and receive an overview of expert witness testimony responsibilities.

<u>References(s)</u>: GL 1.4 (ANAB Guiding Principles), GL 5 (Ethics), GL 15 (Professional Development), GL 17 (Court Monitoring)

*Module 3 assessment will occur during mock court(s) completed within other modules.

| Task | Trainee | Trainer |
|---|---------------|---------------|
| | Initials/Date | Initials/Date |
| ☐ Receive guidance on examiner qualifications | | |
| (voir dire), courtroom appearance, court | | |
| structure and pertinent rules of courtroom | | |
| ☐ Prepare a curriculum vitae | | |
| Upon review, load to Qualtrax | | |
| ☐ Read DOJ Code of Professional | | |
| Responsibility for the Practice of Forensic | | |
| Science | | |
| ☐ Read transcripts of previous FB testimony | | |
| ☐ Review discovery and admissibility rules | | |
| -Daubert v Merrell Dow Pharmaceuticals | | |
| -Frye v US | | |
| -State v Porter | | |

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| Module 4: Swab and Small Evidence Case Examinations |
|---|
| Trainee: |
| Module Completion Date: |

Goal(s): Trainee will learn to examine swabs and small items requiring sample collection from areas of interest, including wearer. Trainee will demonstrate appropriate sample collection methods and be able to recognize appropriate collection areas. In addition, trainer will introduce Direct-to-DNA and how to recognize when sample preparation of this type may be necessary.

Reference(s): FB SOP-01 (Evidence Examination and Sample Collection Guidelines), FB SOP-30 (M-Vac® Sample Collection)

4A – Swab Only Examination

| Task | Trainee | Trainer |
|---|------------------|---------------|
| *Observations and supervised practice will include | Initials/Date | Initials/Date |
| documentation in LIMS and on relevant FB QRs | V | |
| ☐ Review a minimum of (2) completed swab only cases | | |
| 1. DSS- | | |
| 2. DSS- | | |
| ☐ Observe trainer conduct a minimum of (2) swab exams | | |
| ☐ Supervised practice of a minimum of (2) swab exams | | |
| ☐ Introduction to Direct-to-DNA case types | | |
| ☐ Read literature: | | |
| -"Touch DNA Analysis: Using the Literature to Help | | |
| Answer Some Common Questions" – Suzanne Ryan | | |
| -"DNA Transfer in Forensic Science: A Review" - Roland | | |
| A.H. van Oosscht et al | | |
| Competency approval: | | |
| ☐ See Modules 4A & 4B comprehensive competency | | |
| ☐ Practical | | |
| ☐ Written / Oral (circle applicable) | | |
| ☐ Mock Court | | |
| Post-Competency: New examiners must have a minimum of first | (2) case jackets | reviewed by a |
| Unit Lead. | . , | • |
| 1. 2. | | |
| | | |
| Reviews completed: | | |
| | | |

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4B - Small Evidence Examination

| Task | Trainee | Trainer |
|---|------------------|---------------|
| *Observations and supervised practice will include | Initials/Date | Initials/Date |
| documentation in LIMS and on relevant FB QRs and photos | | |
| ☐ Review a minimum of (3) completed small item cases | | |
| 1. DSS- | | |
| 2. DSS- | | |
| 3. DSS- | | |
| ☐ Observe trainer conduct a minimum of (3) small evidence | | |
| exams | | |
| ☐ Supervised practice of a minimum of (3) small evidence exams | | |
| ☐ Trainer will review and/or demonstrate how to identify potential damage, or other areas of interest for sample collection | | |
| ☐ Firearm safety training | | |
| Competency approval | • | |
| ☐ See Modules 4A & 4B comprehensive competency | | |
| ☐ Practical | | |
| ☐ Written / Oral (circle applicable) | | |
| ☐ Mock Court | | |
| Post competency: New examiners must have a minimum of first (| 3) case jackets | reviewed by a |
| Unit Lead. | s) case jackets | ieviewed ey d |
| 1. 2. | 3. | |
| | | |
| Reviews completed: | | |
| | | |
| Modules 4A & 4B Comprehensive Competency approval | • | |
| | T | |
| Task | Trainee | Trainer |
| | Initials/Date | Initials/Date |
| □ Practical | | |
| ☐ Written / Oral (circle applicable) | | |
| ☐ Mock Court | | |
| Post competency: New examiners must have a minimum of first (| 5) case jackets: | reviewed by a |
| Unit Lead. | 2 | |
| 1. 2. | 3. | |
| 4. 5. | | |
| Reviews completed: | | |

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4C - M-Vac® DNA Sample Collection

Goal(s): Trainee will receive instruction on how to prepare agency-submitted M-Vac® filters for DNA as well as the proper use of the M-Vac® system, including sample collection and preservation.

| Task | Trainee | Trainer |
|--|---------------|---------------|
| *Observations and supervised practice will include | Initials/Date | Initials/Date |
| documentation in LIMS, on relevant FB QRs and photos | | |
| ☐ Read validation summary for M-Vac® | | |
| ☐ Watch provided M-Vac® video | | |
| ☐ Review a minimum of (3) completed cases | | |
| 1. DSS- | | |
| 2. DSS- | | |
| 3. DSS- | | |
| ☐ Observe trainer conduct a minimum of (2) M-Vac® system | | |
| collection exams | | |
| ☐ Supervised practice of a minimum of (1) M-Vac® system | | |
| collection exam | | |
| Competency approval: | | |
| ☐ Practical: Part A – collection, preservation, documentation | | |
| □ Part B – DNA results | | |
| ☐ Written / Oral (circle applicable) | | |



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| Module 5: Blood Testing |
|-------------------------|
| Trainee: |
| Module Completion Date: |

Goal(s): Trainee will receive practical instruction on blood testing.

<u>Reference(s)</u>: FB SOP-01 (Evidence Examination and Sample Collection Guidelines), FB SOP-05 (Reports and Records), FB SOP-08 (Screening Tests for Blood), SOP-11 (RIAs for Blood), FB SOP-28 (ML2-IR Crime-Lite)

<u>5A - Blood Screening: Kastle-Meyer (KM) and o-Tolidine (oTol)</u> – oTol training should be completed in conjunction to, or after KM training.

| 1 | j , | | |
|--------|---|-------------------|---------------|
| | Task | Trainee | Trainer |
| | ervations and supervised practice will include documentation in | Initials/Date | Initials/Date |
| | S (or photo documentation for ML2-IR) and on relevant FB QRs | | |
| and p | photos | | |
| | Read validation summaries for ML2-IR | Ť | |
| | Review a minimum of (3) completed cases with KM testing | | |
| | 1. DSS- | | |
| | 2. DSS- | | |
| | 3. DSS- | | |
| | Review (2) completed cases with oTol testing | | |
| | 1. DSS- | | |
| | 2. DSS- | | |
| | Observe trainer conduct a minimum of (3) KM tests | | |
| | Supervised practice of a minimum of (3) KM tests | | |
| | Observe trainer demonstrate proper use of ML2-IR | | |
| | Supervised practice of proper use of ML2-IR | | |
| | Observe trainer conduct a minimum of (1) oTol test | | |
| | Supervised practice of a minimum of (1) oTol test | | |
| | Trainer will demonstrate report writing and appropriate | | |
| | result conveyance | | |
| | Supervised practice of report writing | | |
| Con | petency – KM / oTol / Both approval: | | |
| | Practical: Part A - KM/OT (with report / no report) | | |
| | Part B - ML2-IR (no report) | | |
| | Written / Oral (circle applicable): Part A - KM/OT | | |
| | Written / Oral (circle applicable): Part B - ML2-IR | | |
| | Mock Court | | |
| Post-C | Competency: Examiners must have a minimum of three (3) case ja | ckets reviewed by | a Unit Lead. |
| 1. | 2. 3. | | |

Reviews completed:

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5B - Blood Rapid Immunoassays: RSID-Blood (RSID) and ABAcard Hematrace (HT)

| | Task | Trainee | Trainer |
|----------|---|---------------|---------------|
| | tions and supervised practice will include documentation in | Initials/Date | Initials/Date |
| LIMS and | l on relevant FB QRs | | |
| | Read validation summaries for each RSID and HT | | |
| | Review a minimum of (3) completed cases with | | |
| | RSID testing | | |
| | 1. DSS- | | |
| | 2. DSS- | | |
| | 3. DSS- | | |
| | Review a minimum of (3) completed cases with HT | | |
| | testing | | |
| | 1. DSS- | | |
| | 2. DSS- | | |
| | 3. DSS- | | |
| | Observe trainer conduct a minimum of (2) RSID | | |
| | tests. Trainee must observe a minimum of (1) sample | | |
| | extraction | | |
| | Supervised practice of a minimum of (2) RSID tests, | | |
| | including sample extraction | | |
| | Observe trainer conduct a minimum of (2) HT tests. | | |
| | Trainee must observe a minimum of (1) sample | | |
| | extraction. | | |
| | Supervised practice of a minimum of (2) HT tests, | | |
| | including sample extraction | | |
| | Trainer will demonstrate report writing and | | |
| | appropriate result conveyance | | |
| | Supervised practice of report writing | | |
| Compet | ency – RSID-Blood / HT / Both approval: | | |
| | Practical (with report) | | |
| | Written / Oral (circle applicable) | | |
| | Mock Court | | |

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| Module 6: Body Fluid Testing |
|------------------------------|
| Trainee: |
| Module Completion Date: |

<u>Goal(s):</u> Trainee will receive practical instruction on body fluid testing.

<u>Reference(s):</u> FB SOP-01 (Evidence Examination and Sample Collection Guidelines),
FB SOP-05 (Reports and Records), FB SOP-12 (Screening Test for Semen), SOP-13 (Extraction of Samples for Semen), SOP-14 (Identification of Spermatozoa), Axio Scope.A1 Operating Manual, SOP-15 (RIA for Semen), SOP-16 (Test for Amylase), SOP-28 (ML2-IR Crime-Lite)

6A – Acid Phosphatase and Extraction

| | Task | Trainee | Trainer |
|------|---|---------------|---------------|
| | ervations and supervised practice will include | Initials/Date | Initials/Date |
| docu | mentation in LIMS and on relevant FB QRs and photos | | |
| | Read validation summaries for AP and Extraction | | |
| | Review a minimum of (3) completed cases with AP and | | |
| | Extraction | | |
| | 1. DSS- | | |
| | 2. DSS- | | |
| | 3. DSS- | | |
| | Observe trainer demonstrate proper use of ALS | | |
| | Observe Brentamine Test Reagent preparation | | |
| | Observe trainer conduct a minimum of (3) AP tests | | |
| | including direct and indirect methods | | |
| | Observe trainer conduct a minimum of (1) sample | | |
| | extraction | | |
| | Supervised practice of a minimum of (3) AP tests, | | |
| | including direct and indirect methods | | |
| | Supervised practice of a minimum of (1) sample | | |
| | extraction | | |
| | Trainer will demonstrate report writing and appropriate | | |
| | result conveyance | | |
| | Supervised practice of report writing | | |
| Com | petency – AP / Extraction / Both approval: | | |
| | See Module 6 comprehensive competency | | |
| | Practical (with report) to include ALS | | |
| | Written / Oral (circle applicable) to include ALS | | |
| | Mock Court | | |

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6B: Spermatozoa Identification - Sperm Hy-Liter (SH) and Christmas Tree (CT) Staining

| Task | Trainee | Trainer |
|--|-----------------|---------------|
| *Observations and supervised practice will include documentation in | Initials/Date | Initials/Date |
| LIMS, on relevant FB QRs, and photos (for SH). | | |
| ☐ Read validation summaries | | |
| ☐ Review a minimum of (2) completed cases with SH testing | | |
| 1. DSS- | | |
| 2. DSS- | | |
| ☐ Review a minimum of (2) completed cases with CT testing | | |
| 1. DSS- | | |
| 2. DSS- | | |
| ☐ Trainer will demonstrate unstained smear searching for red | | |
| blood cells and sperm identification (SH) | | |
| ☐ Trainer will demonstrate SH staining procedure to include | | |
| border preparation, QR-14, direct pellet and resuspended | | |
| pellet methods; minimum (2) smears | | |
| ☐ Observe a minimum of (2) SH smear searches. Trainer will | | |
| demonstrate appropriate use of fluorescent microscope and | | |
| photo-documentation. | | |
| ☐ Supervised practice of SH staining procedure from extract; | | |
| minimum of (2) smears (1 each direct/indirect) | | |
| ☐ Supervised practice of SH smear searches | | |
| ☐ Trainer will demonstrate CT staining procedure to include | | |
| smear prep and sperm search; minimum (2) smears | | |
| ☐ Supervised practice of CT staining procedure and sperm | | |
| search; minimum of (2) smears | | |
| Complete independent sperm search practice set | | |
| ☐ Trainer will demonstrate report writing and appropriate | | |
| result conveyance | | |
| ☐ Supervised practice of report writing | | |
| Competency – SH/CT/Both approval: | | |
| ☐ See Module 6 comprehensive competency | | |
| ☐ Practical (with report) | | |
| ☐ Written / Oral (circle applicable) | | |
| ☐ Mock Court | | |
| Post-Competency: New analysts must have a minimum of three (3 |) negative smea | rs verified. |
| 1. 2. 3. | | |
| | | |
| Smear verifications conducted: | | |
| | | |

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6C - p30

| Task | Trainee | Trainer |
|---|---------------|---------------|
| *Observations and supervised practice will include documentation in | Initials/Date | Initials/Date |
| LIMS and on relevant FB QRs | | |
| ☐ Read validation summaries for p30 | | |
| ☐ Review a minimum of (3) completed cases | | |
| 1. DSS- | | |
| 2. DSS- | | |
| 3. DSS- | | |
| ☐ Observe trainer conduct a minimum of (3) p30 tests. | | |
| ☐ Supervised practice of a minimum of (3) p30 tests | | |
| ☐ Trainer will demonstrate report writing and appropriate | | |
| result conveyance | | |
| ☐ Supervised practice of report writing | | |
| Competency approval: | | |
| ☐ See Module 6 comprehensive competency | | |
| □ Practical (with report) | | |
| ☐ Written / Oral (circle applicable) | | |
| □ Mock Court | | |

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<u>6D – Amylase</u>

| Task | Trainee | Trainer |
|---|---------------|---------------|
| *Observations and supervised practice will include | Initials/Date | Initials/Date |
| documentation in LIMS and on relevant FB QRs and photos | | |
| ☐ Read validation summaries | | |
| ☐ Review a minimum of (3) completed cases | | |
| 1. DSS- | | |
| 2. DSS- | | |
| 3. DSS- | | |
| ☐ Observe trainer demonstrate proper use of ALS | | |
| ☐ Observe trainer conduct a minimum of (3) amylase | | |
| tests. Trainee must observe a minimum of (1) test | | |
| directly from an extract | | |
| ☐ Supervised practice of a minimum of (2) amylase | | |
| tests | | |
| ☐ Trainer will demonstrate report writing and | | |
| appropriate result conveyance | | |
| ☐ Supervised practice of report writing | | |
| Competency approval: | | |
| ☐ See Module 6 comprehensive competency | | |
| ☐ Practical (with report) to include ALS | | |
| ☐ Written / Oral (circle applicable) to include ALS | | |
| ☐ Mock Court | | |

| Module 6 Comprehensive Competency | approval: | |
|--|-----------|--|
|--|-----------|--|

AP / Extraction / CT / SH / p30 / Amylase / ALL

| Task | Trainee Initials/Date | Trainer Initials/Date |
|---|--------------------------|--------------------------|
| ☐ Practical (with report) to include ALS | | |
| ☐ Written / Oral (circle applicable) to include ALS | | |
| ☐ Mock Court | | |

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| Module 7: Sexual Assault Evidence Collection Kit Examination (Direct-to-DNA) |
|--|
| Trainee: |
| Module Completion Date: |

<u>Goal(s):</u> Trainee will receive practical instruction on sexual assault kit examination.

<u>Reference(s):</u> FB SOP-01 (Evidence Examination and Sample Collection Guidelines),
FB SOP-02 (SAECK Exam), SOP-06 (Autopsy Sample Preservation), SOP-07 (Whole Blood Sample Preservation)

| Task | Trainee | Trainer |
|---|---------------|---------------|
| *Observations and supervised practice will include documentation in | Initials/Date | Initials/Date |
| LIMS and on relevant FB QRs | | |
| ☐ Read Public Act 15-207 and Public Act 18-83 | | |
| ☐ Review a minimum of (3) completed cases with SAKs | | |
| 1. DSS- | | |
| 2. DSS- | | |
| 3. DSS- | | |
| ☐ Observe trainer conduct a minimum of (3) SAK | | |
| examinations. | | |
| ☐ Supervised practice of a minimum of (2) SAK | | |
| examinations | | |
| ☐ Complete practice workflow packet | | |
| Competency approval: | | |
| □ Practical | | |
| ☐ Written / Oral (circle applicable) | | |
| ☐ Mock Court | | |

<u>Post- Competency:</u> New examiners must have a minimum of first (5) case jackets reviewed by a Unit Lead.

| Unit Lead. | |) | |
|--------------|--------|----------|----|
| 1. | | 2. | 3. |
| 4. | | 5. | |
| | | | |
| Reviews comp | leted: | | |

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| Module 8: Human Hair Screening and Identification |
|---|
| Trainee: |
| Module Completion Date: |

<u>Goal(s):</u> Trainee will be able to identify a human hair and tissue-like material and prep hair root for DNA testing.

<u>Reference(s):</u> FB SOP-01 (Evidence Examination and Sample Collection Guidelines), FB SOP-05 (Reports and Records), FB SOP-19 (Trace/HLF Exam)

| Task | Trainee | Trainer |
|---|---------------|---------------|
| *Observations and supervised practice will include documentation in | Initials/Date | Initials/Date |
| LIMS, on relevant FB QRs and photos. | | |
| ☐ Review a minimum of (2) completed cases | | |
| 1. DSS- | | |
| 2. DSS- | | |
| ☐ Observe a minimum of (3) hair-like fiber examinations | | |
| ☐ Supervised practice of a minimum of (3) hair-like fiber | | |
| examinations | | |
| ☐ Trainer will demonstrate report writing and appropriate | | |
| result conveyance | | |
| ☐ Supervised practice of report writing | | |
| Competency approval: | | |
| ☐ Practical (with report) | | |
| ☐ Written / Oral (circle applicable) | | |
| ☐ Mock Court | | |

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| Module 9: Technical and Administrative Reviews |
|--|
| Trainee: |
| Module Completion Date: |

<u>Goal(s):</u> The trainee will learn the necessary steps to conduct technical and administrative reviews. The trainee will demonstrate the tasks necessary to properly complete reviews. *No competency is required for this module.

Reference(s): FB SOP-05 (Reports and Records), GL-18 (Case Reviews)

| Task | Trainee | Trainer |
|--|---------------|---------------|
| *Observations will include documentation in LIMS and on relevant | Initials/Date | Initials/Date |
| FB QRs | | |
| ☐ Observe trainer conduct a minimum of (4) TR/AR | | |
| reviews. | | |
| 1. DSS- | | |
| 2. DSS- | | |
| 3. DSS- | | |
| 4. DSS- | | |
| ☐ Practice a minimum of (3) TR/AR reviews (will be | | |
| evaluated by Unit supervisor). | | |
| 1. DSS- | | |
| 2. DSS- | | |
| 3. DSS- | | |

