

Document Title: Training Manual/Work Instructions

Controlled: Yes, with red stamp present

Controlled By: Quality Manager

Prepared By: _____ Date: _____

Approved By: _____ Date: _____

A. PURPOSE:

To train forensic science examiners to examine evidence, perform serological tests and use the LIMS computer system.

B. RESPONSIBILITY:

Forensic Science Examiner 2 or designee of the Forensic Biology Section.

C. SAFETY:

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

D. DEFINITIONS:

1. LIMS: Laboratory Information Management System
2. SAEC Kit: Sexual Assault Evidence Collection Kit
3. ABACard® HemaTrace® and p30: Rapid Immunoassays
4. RSID: Rapid Stain Identification
5. KM: Kastle-Meyer
6. o-tol: o-Tolidine
7. AP: Acid Phosphatase
8. PBS: Phosphate Buffered Saline
9. OCME: Office of the Chief Medical Examiner
10. PTT: Purple Top Tube
11. RTT: Red Top Tube

E. PROCEDURE:

Training Guidelines for the Forensic Biology Section

As of January 1, 2011 this training outline will be followed for all persons newly assigned to the Forensic Biology Section. The amount of time necessary to achieve proficiency in any area may be affected by the previous experience and training of the individual examiner. The Forensic Biology Supervisor or designee will oversee all training.

An electronic copy of the following check-list will be separately maintained as a working copy and will be printed out for use as needed.

I. Introduction

Complete Initials Date

Goals: Upon completion, the examiner will be familiar with the Forensic Laboratory operation.

Tasks:

Orientation to the Laboratory facility and personnel

Instruction on the organizational structure, code of ethics and the chain of command

Familiarized with building security and confidentiality requirements

Introduction to the quality control measures, including required documentation

Familiarized with safety procedures, chemical handling and proper handling of biohazardous materials such as blood and body fluids, incident reports and fire/emergency procedures.

Reading:

SOP-GL-1 through SOP-GL-20

DPS A & O Manual

SOP-FB-19 through SOP-FB-30

II. Scientific Knowledge

Complete Initials Date

Goals: To ensure the examiners has the formal education and working knowledge of the fundamental basis of serology and physical evidence examination.

Tasks:

Document a Bachelor's degree or higher in a physical or closely related science.

Document Laboratory training and experience in Forensic Science or a closely related field.

Reading:

SOP-FB-01 through SOP-FB-31 and Appendix

DeForest, P. R., Gaensslen, R. E. and Lee, H. C., Forensic Science: An

Introduction to Criminalistics, Chapter 6: "Transfer and Trace Evidence,"

Chapter 9: "Blood" and Chapter 10: "Body Fluids," McGraw-Hill, Inc., 1983.

Lee, H. C. "Identification and Grouping of Bloodstains," Forensic Science

Handbook, vol.1, ed. Richard Saferstein, Prentice hall, Inc. 1982, pp267 – 337.

AS A REFERENCE: Gaensslen, R. E., Sourcebook in Forensic Serology,

Immunology, and Biochemistry, National Institute of Justice, 1983.

III. Applied Technical Knowledge

Complete Initials Date

_____ **Goals:** To demonstrate specific knowledge related to the field of Forensic Biology.

_____ **Tasks:**

_____ Received instruction on the theory and techniques specific to the examination of physical evidence for the presence of blood and/or body fluids, including but not limited to:

- Recognition of evidence
- Recognition of patterns
- Documentation of damage
- Documentation and identification of blood and/or body fluid stains
- Proper preservation of evidence, transport and/or transfer of evidence for further testing

_____ **Reading:**

_____ Validation studies for various procedures utilized in Forensic Biology

_____ SOP-FB-01 through SOP-FB-31 and Appendix

_____ Review of 10 case files completed by another examiner in the area of Forensic Biology to be chosen by the Section Supervisor.

IV. Evidence Handling and Examination

Complete Initials Date

_____ **Goals:** Upon completion, the examiner will be familiar with the proper techniques for documentation, handling and the transfer of physical evidence, both general and specific to the Forensic Biology Section. The examiner will also develop the critical thinking skills necessary to evaluate the case circumstances and ensure all necessary testing has been requested.

_____ **Tasks:**

_____ Familiarized with the proper procedures for documenting the evidence packaging and labeling.

_____ Learned to properly handle physical evidence with blood/body fluid stains and to preserve and package cuttings, swabs and/or trace materials for future testing.

_____ Learned the proper technique for handling and preserving liquid blood samples

_____ Learned the operation of the LIMS system, packaging designation of sub-items, maintenance of the chain of custody of the evidence, transfer of evidence to another section, and transfer of submission-items into their proper storage locations

_____ **Reading:**

_____ SOP-GL-1 (Quality Manual)

_____ SOP-GL-4 (LIMS/Justice Trax)

_____ SOP-FB-01, SOP-FB-02 & SOP-FB-05

V. Laboratory Analytical Procedures

Complete Initials Date

_____ **Goals:** To provide practical instruction to the examiner on routine analytical procedures utilized in the Forensic Biology Section.

_____ **Tasks:**

_____ Received instruction and training in the following procedures:

- Screening tests for blood and body fluids – KM, o-tol, AP, Jaffe, urobilinogen, amylase
- Identification tests for blood and body fluids – staining for spermatozoa, sperm searches, ABACard p30, RSID-Semen, Takayama, ABACard HemaTrace for blood and RSID-Blood.
- Successful completion of a competency and/or proficiency for each type of examination and evaluated by the supervisor or a designee.
- Side by side examination of evidence with a supervising examiner or a designee.

_____ **Tasks:**

_____ Received instruction and training in the following procedures:

- After a 6 month probationary period and the successful completion of above training, the examiner will be assigned small cases. All work will be checked by another examiner, who will also co-sign the reports.
- With increasing experience, the examiner will be assigned more complex/larger cases.

Reading:

Complete Initials Date

_____ SOP-FB-06 through SOP-FB-18 and Appendix

_____ Corresponding journal articles relating to the specific procedure, as applicable.

VI. Report Writing and Review

Complete Initials Date

_____ **Goals:** To learn the Laboratory protocol for report writing, report review, finalization of reports and review of LIMS procedures.

_____ **Tasks:**

_____ Learned Laboratory and Section guidelines for the writing of reports, and the completion of the documentation in LIMS.

_____ Completed a written report of proficiency or competency test results.

_____ **Reading:**

_____ Review of 10 reports and supporting documents prepared by another examiner, as determined by the section supervisor.

_____ SOP-GL-4 (LIMS/Justice Trax)

_____ SOP-FB-05 (Case Records and Reports)

VII. Legal Issues

Complete Initials Date

_____ **Goals:** To become familiar with the legal requirements for testimony in the state of Connecticut.

Tasks:

Received instruction on the following:

- Qualifications
- Technical testimony
- Courtroom dress and demeanor
- Ethical responsibilities of an expert witness
- Laboratory courtroom monitoring procedures
- Presentation of evidentiary findings
- Pertinent rules of the courtroom

Attended a minimum of 2 courtroom testimonies of another examiner in the Forensic Biology Section.

Moot court conducted by examiners in the Forensic Biology Section

Reading:

Transcripts or sample testimony of examiners in the Forensic Biology Section

Admissibility requirements: *State v. Porter, Frye, Daubert*

Work Instructions

1. Work Instructions for the Collection of Samples from Evidence

a. For Testing

- aa. Moisten a cotton swab with PBS and lightly swab the questioned stain.
- bb. Scrape the stain from a hard surface and test directly.

- cc. Cut a piece of fabric, swab or other substrate and test directly.
- b. For Retention
 - aa. Collection Methods
 - Moisten a cotton swab with sterile distilled water. Swab the questioned stain or the area for touch/wearer DNA.
 - Scrape the stain or debris from a hard surface.
 - Cut the stain from a piece of clothing or other material.
 - For stains on swabs, retain the swab tip.
 - bb. Samples can be retained in a plastic tube, a paper-fold or a tin.
 - cc. When appropriate, outline the area of the sample retained on the piece of evidence and label the area with the designated sample number (e.g. S1, S2).
- c. Extracted samples (remaining extract and/or extracted substrate)
 - aa. Retain all semen extracts, create in LIMS and store in further analysis freezer storage.
 - bb. Retain blood extract(s) if the sample is limited, create in LIMS and store in further analysis freezer storage. If the sample is not limited then discard extract.

2. Work Instructions for Sexual Assault Evidence Collection (SAEC) Kit Examination

All examinations are conducted macroscopically unless otherwise recorded on the Sexual Assault Evidence Collection Kit Quality Record Worksheet (FBQR-05).

- a. Enter the Lab #, town, date of submission, hospital, suspect/no suspect and smears to be examined in the SAEC Kit log book, noting any problems with the kit collection made by the hospital.
- b. Transfer the kit into your name in LIMS according to SOP-GL-4 (LIMS/Justice Trax).
- c. Fill out a SAEC Kit worksheet (FBQR-05).
- d. Make a copy of the yellow medical form, the front cover of the kit and any additional labels/seals as needed. Label these photocopies with the Lab ID# and examiner's initials in the upper right corner.
- e. Inventory
 - aa. Check the contents of the kit and cross out any items that were not collected on page 1 of the worksheets. Place the unused envelopes and bags back in the kit (unlabeled). Place examiner's initials in the appropriate location on page 1 of the worksheets.
 - bb. Label the used envelopes/bags with the Lab ID#, item #/letter (from page 1 of the worksheets) and examiner's initials.
 - cc. Record any written information from the envelopes, such as sample origin or reason sample not collected, on the worksheets.

E. 2. f. Known Blood Sample

- aa. Retain a known bloodstain according to SOP-FB-06 (Whole Blood Sampling and Preservation).
- bb. Current Version of the 'CT 100' Kit
 - If a Toxicology request has been made, retain a bloodstain from the red top tube and transfer the purple top tube to the Evidence Receiving Unit.

- If a known blood sample is not included in the kit, retain the inner envelope of the known saliva sample. Label this envelope with the Lab ID#, item #/letter and examiner's initials.
- cc. Revised Version of the 'CT 100' Kit
 - No red top tube blood sample will be included in the new version. If a Toxicology request has been made, transfer the purple top tube to the Evidence Receiving Unit and request a known buccal sample from the victim.
 - No saliva sample will be included in the new version. Request a known buccal sample from the victim if a known blood sample is not included in the kit.

g. Sperm Search

- aa. Label the smear holder with the Lab ID#, item #/letter and examiner's initials.
- bb. Current Version of the 'CT 100' Kit
 - Label the two (2) smear slides on the frosted edge in pencil with the Lab ID#, item #/letter and examiner's initials.
- cc. Revised Version of the 'CT 100' Kit
 - Label the one (1) smear slide on the frosted edge in pencil with the Lab ID#, item #/letter and examiner's initials.
- dd. Conduct a preliminary, unstained search at 200X of a smear appropriate for the case (vaginal, oral and/or anal), placing the slide on a microscope stage with the frosted edge to the left. Note red blood cells if present on the worksheets.
- ee. If positive (the identification of intact spermatozoa, i.e. the head, neck and tail or the identification of non-intact spermatozoa, i.e. only the head portion), record the results of the sperm search on the worksheet according to the following rating:
 - 4+ - numerous sperm in every field
 - 3+ - a few sperm in every field
 - 2+ - sperm not in every field but easy to locate unstained
 - 1+ - a few sperm (coordinates are needed to relocate)
- ff. Record coordinates (if needed to relocate the sperm), scope # and examiner's initials.
- gg. If no spermatozoa are located after a quick preliminary search, stain a smear from each appropriate orifice according to SOP-FB-13 (Identification of Spermatozoa). Conduct a full search of each smear.
- hh. Record the results (including rating) and the method of staining on the worksheets.
- ii. Record search results in the SAEC Kit logbook.

E. 2. h. Positive Smears

- aa. If spermatozoa are identified on the smears, retain the corresponding swabs for future testing. *Note: If vaginal smear is positive, retain the genital swabs and/or dried secretion swabs (depending on location).*
- bb. Note appearance of swabs on worksheets.
- cc. Retain any trace from swabs/smears in a paper fold and place into a coin envelope. Label the paper fold and coin envelope with the Lab ID#, item #/letter and examiner's initials. *Note: Sub-item the trace retained using the letter 'S' designation with the corresponding*

sample number (ex. #IC-S1).

- dd. Place swab tip(s) with ~ ½" of the stick in a microcentrifuge tube or paper fold. Label the tube or paper fold with the Lab ID#, item #/letter and examiner's initials.
- ee. The tubes/paper folds are placed in a Ziploc bag with the Lab ID#, heat sealed and initialed. Store Ziploc bag in freezer storage.

i. Negative Smears

- aa. If no spermatozoa are identified, proceed to processing the corresponding swabs (vaginal, oral and anal) for acid phosphatase according to SOP-FB-11 (Screening Test for Semen) and/or amylase according to SOP-FB-15 (Test for Amylase) as the case warrants.
- bb. If assault was vaginal or anal, process the genital swabs for acid phosphatase according to SOP-FB-11 (Screening Test for Semen) and/or amylase according to SOP-FB-15 (Test for Amylase) as the case warrants.
- cc. Process the dried secretion swabs for acid phosphatase according to SOP-FB-11 (Screening Test for Semen) and/or amylase according to SOP-FB-15 (Test for Amylase) as the case warrants and depending on the location.
- dd. Note appearance of swabs on worksheet. *Note: If swabs are heavily saturated with blood-like stains, examiner may proceed directly to extraction according to SOP- FB-12 (Extraction of Samples for Semen) without performing the acid phosphatase test.*
- ee. Retain any trace on swabs/smears in a paper fold and label with the Lab ID#, item#/letter and examiner's initials. Place into a coin envelope and label with the Lab ID#, item #/letter and examiner's initials. *Note: Sub-item the trace retained using the letter 'S' designation with the corresponding sample number (ex. #IC-S1).*
- ff. If the acid phosphatase test is negative, no further testing is conducted for semen.
- gg. If the acid phosphatase test is positive, extract swabs according to SOP-FB-12 (Extraction of Samples for Semen).
- hh. Make a smear of the extract pellet or positive acid phosphatase swab, stain and search according to SOP-FB-13 (Identification of Spermatozoa).
- ii. If no spermatozoa are identified, test the extract for the presence of human semen according to SOP-FB-14 (Rapid Immunoassay Tests for Human Semen). *Note: If sample is heavily stained with fecal-type material or if breast milk is suspected, the ABACard p30 test should not be used.*
- jj. Retain the remaining swabs by placing the tip(s) with ~ ½" of the stick in a microcentrifuge tube or paper fold. Label the tube or paper fold with the Lab ID#, item #/letter and examiner's initials. Place the tubes or paper folds in a plastic Ziploc bag with the Lab ID# and examiner's initials.

- E. 2. i. kk. Retain the extracts by removing the extracted swab from the basket, placing it into the same microcentrifuge tube and wrapping the top of the microcentrifuge tube with parafilm. Place extract tubes in a plastic Ziploc bag and place into the main plastic bag with the other samples or staple the two bags together. Store Ziploc bags in freezer storage.
- ll. For the current version of the 'CT 100' kits, search the second smear of each orifice (according to #3g) if case warrants.

- j. If the orifice is not indicated, retain all swabs not tested.

k. Trace/Hairs

- aa. Examine pubic hair combings for any trace/hair-like fibers macroscopically. If trace/hair-like fibers are present, retain in the inner paper fold. Record the contents on the worksheet. Label the inner paper fold with the Lab ID#, item #/letter and examiner's initials. Seal paper fold with tape.
- bb. Known head hair and known pubic hair samples are retained in the inner envelopes. Label the inner envelopes with the Lab ID#, item #/letter and examiner's initials. Seal the inner envelopes.
- cc. Examine the debris collection envelope macroscopically or microscopically under a stereoscope at a magnification of approximately 8-35X and retain any trace/debris in a paper fold. Label the paper fold with the Lab ID#, item #/letter and examiner's initials. Place into a coin envelope and label with the Lab ID#, item #/letter and examiner's initials.
- dd. All retained trace/hair envelopes and paper fold/coin envelopes are stored in a sealed manila envelope. The manila envelope is labeled with the Lab ID#, incident town and examiner's initials. Store the envelope at room temperature in Trace Storage-retained trace.

l. Fingernail Scrapings/Clippings:

- aa. Examine the contents for blood and tissue-like material. This may be done macroscopically or microscopically under a stereoscope at a magnification of approximately 8-35X. Test for blood according to SOP-FB-07 (Screening Tests for Blood).
 - Record the presence of fingernail fragments, wooden sticks and/or trace/debris.
 - Record the presence of blood-like stains and/or tissue-like material and test results.
- bb. If positive for blood and/or the presence of tissue-like material, retain inner paper folds and label them with the Lab ID#, item #/letter and examiner's initials.
- cc. If hair-like fibers and/or fibers are observed, retain separately in a paper fold. Label the paper fold with the Lab ID#, item #/letter and examiner's initials and place into a coin envelope. Label the coin envelope with the Lab ID#, item #/letter and examiner's initials. Retain coin envelope with other trace samples.

Note: Sub-item the hair-like fibers/fibers using the letter 'S' designation with the corresponding sample number(ex. #IN-LS1).
- dd. Place paper folds in a plastic Ziploc bag with other retained samples and store in freezer storage.

m. For any items not examined, note 'NEATT' (not examined at this time) on the SAEC worksheets.

E. 2. n. Other: Underpants, etc.

- aa. Examine underpants or other evidence according to SOP-FB-01 (Physical Evidence Examination).
 - bb. If an item of evidence is wet, dry under the hood prior to examination.
- o. Attach the photocopies to the worksheets in the following order:
- aa. Any appropriate worksheets for additional items examined
 - bb. Copy of medical report form
 - cc. Copy of front cover of kit
 - dd. Copies of any additional labels/seals

p. LIMS:

- aa. Create the items that were retained, including the extracts, (ex. #1A-1S1) according to SOP-GL-4 (LIMS/Justice Trax).
- bb. Store the kit at room temperature in a locked evidence storage area until the report is ready and the evidence is returned to the Evidence Receiving Unit.

q. Reports:

- aa. Write a report to the submitting agency summarizing the results of the examination according to SOP-FB-05 (Case Records and Reports).
- bb. Positive kits:

- If biological material is identified (i.e. blood, semen, saliva, urine or feces), forward samples, as necessary, to the DNA Unit for processing. Touch or wearer DNA samples may also be forwarded.
- Request known samples from the victim and suspect if not submitted.

Negative kits:

- More evidence may need to be examined if the kit is negative. Review the paperwork and/or call the submitting agency to see what other evidence may be relevant/significant and is available for testing.
- If questioned hair-like fibers were collected from the kit, they may be forwarded to the Trace Section for further examination. Request known hair samples from the victim (if not collected in the kit) and the suspect (if known).

- r. SAEC Kits submitted to the Laboratory that have been collected from an individual who does not want to report the incident to the police are designated as 'Civil'. These Kits are held without being examined in a designated refrigerated storage area for a minimum of 60 days. If the individual has not reported the incident to the police, the Kit will be returned after 60 days to the submitting agency unexamined.

E. 3. Work Instructions for Office of the Chief Medical Examiner (OCME) Autopsy Samples

- a. If OCME autopsy samples are submitted as a sexual assault kit, refer to SOP-FB-02 and the Sexual Assault Evidence Collection Kit work instructions.
- b. Known Blood:
 - aa. Fill out a Whole Blood worksheet (FBQR-07).
 - bb. Remove blood vial from container and label with the Lab ID#, item # and examiner's initials.
 - cc. Make a stain from the vial according to SOP-FB-06 (Whole Blood Sampling and Preservation).
 - dd. Repackage vial and place the barcode on the container. If no container is present use a tube from the Laboratory. Initial the barcode, reseal with evidence tape, initial the

seal and store in the walk-in refrigerator. Return to the Evidence Receiving Unit if the case warrants.

- c. Known Hairs:
 - aa. Label the known hair envelopes (ex. head hairs, pubic hairs) with the Lab ID# and item #.
 - bb. Place all known hair envelopes in a manila envelope (approximately 4"x 6"). Place the barcode for the known hairs on this envelope. Put this envelope in a larger manila envelope (approximately 9" x 12"), label with the Lab ID#, incident town and examiner's initials. Seal with tape and initial the seal. Place in trace storage.
- d. If questioned hairs or other samples were collected, package separately from the known hairs. Label the envelopes/container with the Lab ID# and item #. If there is a barcode, place barcode on the envelope/container and initial the barcode.
- e. Fingernail scrapings/clippings:
 - aa. Label the fingernail scrapings/clippings envelope(s) with the Lab ID# and item #.
 - bb. Place fingernail scrapings/clippings in a manila envelope (approximately 4" x 6"). Place the barcode for the fingernail scrapings/clippings on this envelope. Place this envelope in a plastic Ziploc bag, heat seal and initial the seal. Place in freezer storage.
- f. Other Biological Samples: (ex. muscle, liver, bone)
Place barcode on outer packaging and store in freezer storage.
- g. Create the bloodstain in LIMS according to SOP-GL-4 (LIMS/Justice Trax) and transfer all evidence to the appropriate storage areas:
 - aa. DNA Storage Room 206 = bloodstain
 - bb. Trace storage – retained trace = hairs and questioned samples
 - cc. Freezer storage = fingernail scrapings/clippings and other biological samples
- h. Complete all LIMS requests according to SOP-GL-4 (LIMS/Justice Trax).
- i. Since no analysis is performed on these samples, no report is generated.

E. 4. Work Instructions for the Documentation and Collection of DNA Samples from Firearm Evidence

Firearm:

- a. Photocopy or photograph the labeling information from the submitting agency and the laboratory's barcode.
- b. Clean all pens, markers, scales and camera prior to examination with 20% bleach. Clean utensils with 20% bleach followed by EtOH.
- c. Upon opening the sealed package, photograph the contents as received.



- d. Photograph any additional labels or evidence tags that may be attached to the enclosed weapon. During the photography process, make sure that the camera has been wiped down with a dilute bleach solution and new gloves are used to handle the camera.
- e. Photograph the weapon showing both sides of the frame and then photograph from various angles, including weapon manufacturer, model and serial number:



- E. 4. f. The following photographs are an example of documentation of all sides of the weapon.



- g. The following areas are typically swabbed:
- Handle/handgrip/pistol grip (see photos)
 - Trigger
 - Slide (pistol)
 - Cylinder latch release/loading area (revolvers)
 - Forend/Forearm (rifles and shotguns)
 - Bolt (rifles and shotguns)
 - Hammer (shotguns)

Semi-Automatic Handgun



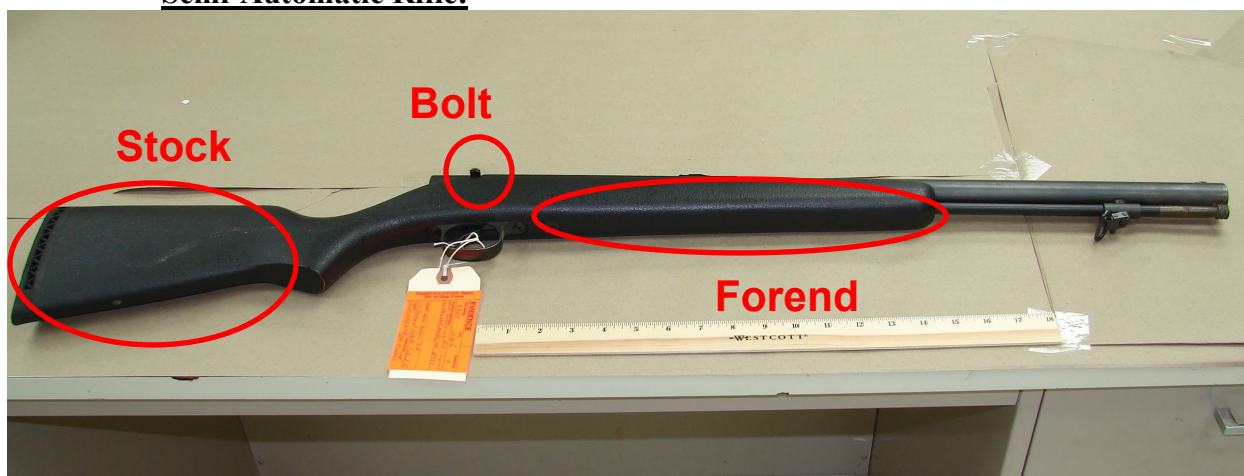
E. 4. g.

Revolver:

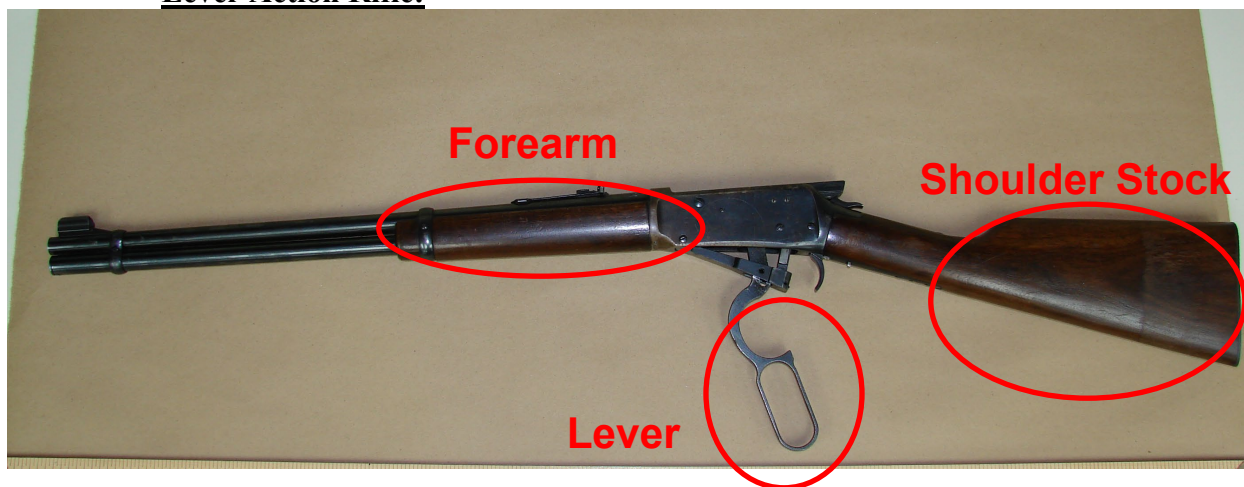
**Cylinder latch release/
loading area**



Semi-Automatic Rifle:



Lever Action Rifle:



E. 4. g.

Semi-automatic Rifle



Shotgun (Pump Action):

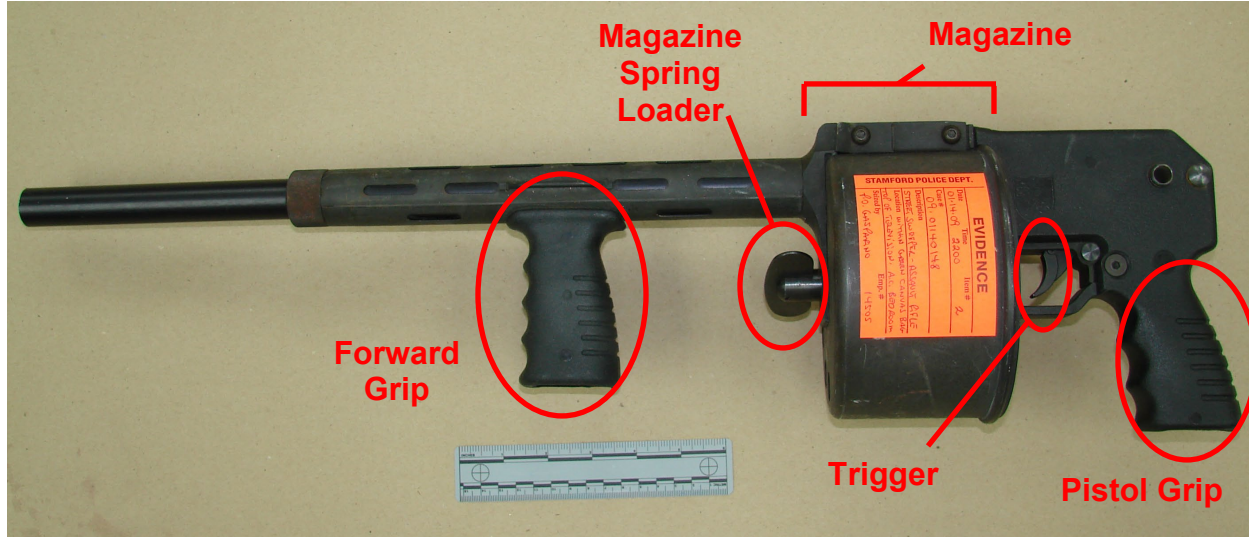


Shotgun:



E. 4. g.

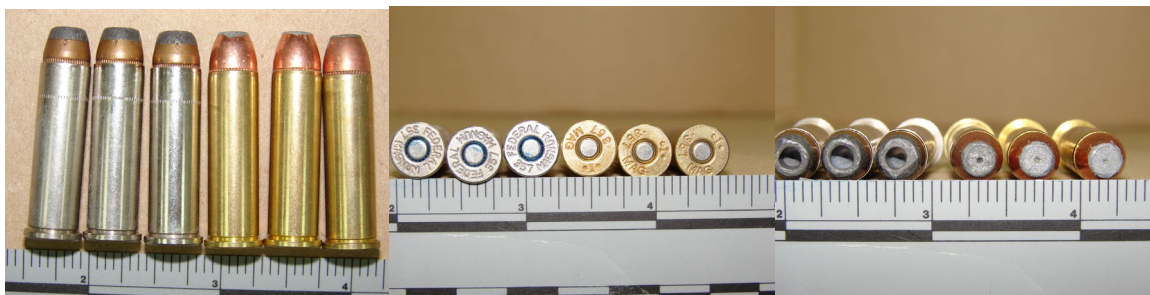
Shotgun:



h. **Cartridges:**

Only cartridges with the following calibers (.22 cal, .25 cal. And .32 cal) are to be swabbed when there is a Latent Print request for processing. If no Latent Print request is present, all calibers of cartridges can be swabbed.

- a. Cartridges are to be photographed from all sides noting the caliber and manufacturer headstamp. Any defects should also be noted.



- b. All sides of the cartridges are swabbed as one (1) unit using two (2) sterile swabs.

i. **Magazines:**

If a latent print request is noted on the magazine submitted, only swab the magazine follower and top of magazine. If no latent print request is present, the entire magazine is swabbed.



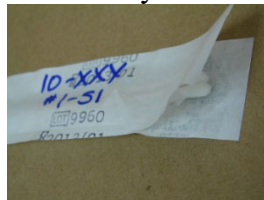
- j. Sample collection for DNA:
 - aa. Label one (1) of the sterile swab packages that will be used for sample collection.
 - bb. Open two (2) sterile swab packages
 - cc. Moisten the swabs with sterile distilled water.



- dd. Swab the area slowly turning the swabs to ensure that all sides come in contact with the area.



- ee. Place the swabs back into the 'labeled' package holder with the moistened tip facing outward so that it can air-dry.



- ff. Place this package into a secure locker or under a hood that will not have any other evidence present.

- E. 4. j. gg. Allow swab to air-dry for several hours.

- hh. After drying, label an autoclaved Eppendorf® tube with the Lab Id Number and

sample number.



- ii. Place the swab tips into the base of the Eppendorf® tube and snap off the remainder of the stick, leaving approximately 1" of the stick.



- jj. Place the tubes containing the samples collected in this case into a labeled Ziploc® bag, heat seal, initial the heat seal and place in freezer storage.



- kk. Create sample in the LIMS system as sub-items of evidence.
- ll. Transfer the samples into freezer storage.
- mm. Replace the original evidence back into the package, seal the package with evidence tape and initial the seals.
- nn. Forward the evidence to the appropriate Section for further testing.

F. REFERENCES:

1. SOP-GL-1 (Quality Manual).
2. SOP-GL-2 (Safety Manual).

3. SOP-GL-4 (LIMS/Justice Trax).
4. General Statutes of Connecticut, Vol. 6 [CGS § 19a-112a(d)], 2009, p. 930.