

FORENSIC BIOLOGY EVIDENCE AND CASE MANAGEMENT MANUAL

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Case Acceptance and Evidence Sign-in

1 Guiding Principles and Scope

- 1.1 The Department of Forensic Biology receives evidence primarily from New York City law enforcement agencies for DNA testing. On occasion the Department will accept cases from other agencies; however, these agencies must have prior authorization to submit evidence.
- 1.2 Evidence submitted for DNA analysis, regardless from which agency it is submitted, must be vetted by the Evidence Sign-In Team or a supervisor. It is the responsibility of the Evidence Sign-In Team to monitor the DNA Sign-In email account ([DNASignIn Team@ocme.nyc.gov](mailto:DNASignInTeam@ocme.nyc.gov)) throughout the day and update the cases and the communication log, as necessary.
- 1.3 The Evidence Sign-In Team also triages any evidence submitted for DNA analysis before it can be accepted for examination and DNA analysis. The two main purposes of triaging are to determine the informative value of the evidence and, once that has been established, to assign the evidence to a Forensic Biology case. The procedures below describe the evidence sign-in process.

2 Case and evidence acceptance

- 2.1 Evidence is submitted by the New York City Police Department (NYPD) and the District Attorney's Offices (DAO) and documented on NYPD Property Clerk Invoices ("voucher"). Evidence from other jurisdictions should be submitted with similar documentation.
- 2.2 Evidence is received and accepted by the Office of Chief Medical Examiner (OCME) Evidence Unit (EU). The EU has policies and procedures governing the acceptance of evidence into the OCME.
- 2.3 Evidence submitted for DNA analysis must be in accordance with the case acceptance guidelines of the Department of Forensic Biology. Case acceptance guidelines provide the requirements for submission of evidence for DNA analysis.
- 2.4 The Department of Forensic Biology accepts evidence in relation to:

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- homicides
- sexual assault and sexual abuse (felony and misdemeanor)
- robberies
- felonious assaults
- criminal paternity
- missing persons and unidentified human remains
- property crimes
- criminal possession of a weapon (guns only)
- arson
- other case types with prior approval

- 2.5 With the exception of certain sex crimes and IAB investigations, misdemeanor cases are not routinely accepted by OCME. Requests for testing of non-sex crimes misdemeanor cases must be made to the Forensic Biology Customer Liaison.
- 2.6 Items related to drug offenses are not routinely accepted by OCME. Requests for testing of such evidence must be made to the Forensic Biology Customer Liaison.
- 2.7 Items related to a homicide/suicide are not routinely accepted by OCME. Requests for testing of such items must be made to the Forensic Biology Customer Liaison.
- 2.8 The Forensic Biology Department acknowledges that in some circumstances there may be a need to analyze evidence that falls outside the established guidelines. Special requests for analysis should be made to the Forensic Biology Customer Liaison.
- 2.9 Case reports produced by the Department of Forensic Biology are considered simplified reports based on applicable accreditation requirements. Therefore, once it has been determined that evidence will be accepted and tested by the Forensic Biology Department, the date(s) of performance of laboratory activities will be documented within the case record and not in the case report.

3 Evidence deferral

- 3.1 At any point of the case acceptance evaluation process, a determination may be made based upon evidence acceptance policies not to test the evidence submitted to the Department of Forensic Biology. The evidence is returned to the Evidence Unit of the Office of Chief Medical Examiner to be transferred to NYPD storage.
- 3.2 Deferral notifications are completed by a member of the Evidence Sign-In Team or a Forensic Biology supervisor or manager. Deferral notifications are generated and distributed to the NYPD Liaison Unit and DAO through LIMS and are attached to the case or voucher.
- 3.3 If additional information is supplied by the NYPD and/or DAO such that deferred evidence meets acceptance policies, the evidence may be resubmitted.

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4 Case acceptance procedures

4.1 Paperwork

4.1.1 Evidence submitted by the NYPD and/or the DAO must be accompanied by the following documentation:

- NYPD voucher
- NYPD “Request for Laboratory Exam”
- NYPD complaint form “61 form”

4.1.2 Each item in the submission must be detailed on the Request for Laboratory Exam and NYPD voucher. It must contain specific identification as to whom or what was swabbed (e.g., DNA swab from the stairwell).

4.1.3 Evidence submitted by other jurisdictions must be accompanied by similar documentation, as well as a contact person to retrieve the evidence when testing is completed.

4.2 Scenario Information

4.2.1 A detailed narrative must be provided with the submitted evidence to establish the value of each item as to its likelihood to provide informative results or an investigative lead. Such information is generally found on the complaint form, voucher and/or lab request form.

4.2.2 The Evidence Sign-In Team and the Forensic Biology Customer Liaison may require additional information to evaluate the testing prior to accepting items for DNA testing.

4.3 Exemplars

4.3.1 If victim and/or elimination samples (e.g., owners or regular occupants of a residence or vehicle) are associated with evidence, it is preferable that they be submitted together with the evidence.

4.3.2 Victim and/or elimination samples are required for acceptance of clothing evidence from an arrested suspect in a felonious assault case.

4.3.3 Exemplars from suspects must be vouchered separately from evidence.

4.3.3.1 Suspect samples will be tested once associated evidence has been received by the Department of Forensic Biology.

4.3.3.2 Suspect samples received with no corresponding evidence will not be tested and will be held by OCME Evidence Unit for approximately five months. If associated evidence is not received by the Department within approximately five months of receipt of the

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suspect exemplar, the suspect exemplar will be deferred and recalled upon request or receipt of evidence by the Department.

4.3.4 The OCME will accept a new suspect exemplar if the officer who collected the original sample is unable to testify for grand jury or trial, the sample is consumed or if the sample was destroyed.

4.3.5 Exemplars from victims, witnesses, homeowners, etc. may be vouchered together.

4.4 Evidence Recall

4.4.1 When recalling evidence that was previously in the possession of the OCME (tested or not), a request should be made to the OCME Evidence Unit (see 4.4.2). They will retrieve the evidence from the NYPD property clerk and transport it back to the OCME for additional testing.

4.4.2 If a member of the Forensic Biology needs to recall evidence that was previously delivered to the OCME by the NYPD's Liaison Unit (4.4.1 above), a Forensic Biology supervisor should send an email to the OCME Evidence Unit user group, "Evidence Supervisors" and to the DNA Sign-In user group 'DNA Sign-In Team'. The email should include the voucher number, EU number, NYPD 61, and FB number. The email should also include what items need to be tested and the testing schedule or 'Schedule of Analysis' for each of those items.

4.5 Post-Mortem Samples

4.5.1 The Department of Forensic Biology does not automatically test post-mortem sexual assault kits and/or samples collected at autopsy. A request for testing must be received by the department from the NYPD, DAO, or a Medical Examiner for testing to proceed. Such a request must be sent via email to the Evidence Sign-In Team at DNASigninTeam@ocme.nyc.gov.

4.5.2 The Department of Forensic Biology will hold post-mortem sexual assault kits for approximately three months. After that time period, if no request for testing has been made, the evidence will be returned to the NYPD Property Clerk for long term storage.

4.5.2.1 If at any point should a request be made, the evidence can be recalled and tested.

4.5.3 The Department of Forensic Biology will retain on-site any sample collected at autopsy not contained in a post-mortem sexual assault kit.

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5 Case Prioritization

- 5.1 There are four levels of prioritization a case may be assigned. Cases are triaged by the Evidence Sign-In Team as follows:
- Routine
 - Priority
 - Requested Priority
 - Requested High Priority
- 5.2 Routine cases are generally processed on a first come, first serve basis, with the older cases being processed first.
- 5.3 Under special circumstances, cases may be given priority status (i.e., request from a Medical Examiner). Priority cases are processed before routine cases.
- 5.4 Requested Priority processing of a case is a mechanism for customers to request that a case will be changed from Routine status and started as soon as possible ahead of routine cases waiting for evidence examination. The case will be added to the next batch.
- 5.4.1 Requests will be considered after an OCME Priority Submission Form is completed and submitted via email to DNASignInTeam@ocme.nyc.gov and the Forensic Biology DNA Liaison, who will evaluate the request. Requests are granted at the discretion of the Forensic Biology DNA Liaison, or designated Assistant Director, Deputy Director, or Director.
- 5.4.2 Requests must be made by the DNA liaisons of the DAO or the NYPD FID Unit. All relevant fields of the requested priority form must be completed.
- 5.4.3 Reasons for requested priority processing may include level of violence, flight risk of subject, serial nature of a case(s), and speedy trial.
- 5.4.4 An acceptance or rejection email will be sent to the requesting party stating whether the requested priority will be accepted and processed by the Forensic Biology Department. The content of the email sent to the requestor will be saved in the communication log of the case record.
- 5.5 Accepted priority forms will be saved in the FBiology Main/ Sign-In Folder as well as attached to the case file LIMS record. Requested priority status only applies to the specific case assignment. Once the assignment is completed the case status may revert to routine for any additional testing.
- 5.6 Requested High Priority processing of a case is a mechanism for customers to request that a case will be immediately started with the highest level of urgency.

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- 5.6.1 Such requests are brought to the attention of the Lab Director of the Department of Forensic Biology for approval. In his absence a Deputy Director of the Department of Forensic Biology or the Forensic Biology Customer Liaison has the authority to approve High Priority requests.
- 5.6.2 High Priority requests generally lead to extremely expedited testing and include the use of overtime. Requested High priority status only applies to the specific case assignment. Once the assignment is completed the case status may change back to routine for any additional testing.
- 5.6.3 A Requested High Priority case will be assigned to a reporting analyst. The analyst, supervisor and manager will meet and determine an analysis plan and a timeline of expected completion. As needed, analysts and reviewers will be identified to perform testing and reviewing using overtime. If a CODIS profile is anticipated, coordination will be made with the CODIS group staff to arrange keyboard searches as needed. It is the responsibility of the manager to ensure progress of the case.

6 Analysis schemes based on case type

Exceptions can be made to the analysis schemes by the Lab Director or the Deputy Director of the Department of Forensic Biology

6.1 Homicides

- 6.1.1 The first set of analysis is up to five items. It is preferable that the NYPD Liaison Unit prioritize the items; if not, the prioritization of the items will be decided by the Evidence Sign-In Team of the Department of Forensic Biology. A report will be issued on these items.
- 6.1.2 If additional items exist, and testing is desired, a request for testing additional items must be made. Such requests will be granted at the discretion of the Evidence Sign-In Team of the Department of Forensic Biology and the Forensic Biology Customer Liaison.
- 6.1.3 Testing of items in homicide cases may fall outside of the evidence guidelines discussed below. For example, testing might be approved on such items as magazines, cartridge cases, touched surfaces from common areas, etc., if those are the only items submitted for the homicide.

6.2 Sexual Assaults, Attempted Sexual Assaults and Sexual Abuse

- 6.2.1 The first set of analysis is limited to a sexual assault evidence collection kit and/or underwear and/or condom(s), if applicable. A report will be issued on the analysis of the kit and/or underwear and/or condom(s).

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6.2.2 If testing of a sexual assault kit does not yield DNA results suitable for comparison to a suspect, the existence of additional items will be determined by checking in the NYPD DNA Evidence Management Program (DEMP). OCME will request that any additional items be submitted if the case is still active. The decision as to what will be scheduled and tested should be determined by the supervisor of the RA prior to submitting the report for technical review and should be documented in the case communication log. Once the evidence arrives at the OCME it will be vetted by the Evidence Sign-In Team as to whether or not it is probative and will ensure that it meets the acceptance criteria before being signed in for additional testing.

6.2.3 If testing of a sexual assault kit yielded DNA results suitable for comparison or an association is established with the kit, no additional items will be accepted unless case circumstances (such as multiple perpetrators) dictate the need for additional testing.

6.3 Assaults

6.3.1 The first set of analysis is up to three items. It is preferable that the NYPD Liaison Unit prioritize the items; if not, the prioritization of the items will be decided by Evidence Sign-In Team of the Department of Forensic Biology. A report will be issued on these items.

6.3.2 If clothing items are submitted, they are prioritized for testing starting with the items most likely to have biological evidence (e.g., outer clothing prior to inner clothing).

6.3.3 Felony assaults with an arrest will not be accepted without a victim elimination sample(s), for evidence where the victim is likely to be present on the item(s).

6.3.4 Misdemeanor assault cases are not accepted.

6.4 Robbery and Carjacking

6.4.1 The first set of analysis is up to three items. The items should be prioritized for testing by the likelihood of yielding DNA profiles,

- blood, cigarette butts or beverage containers
- weapons left at the scene by the perpetrator
- food or clothing items (including gloves) left by the perpetrator
- item(s) touched by the perpetrator, but owned by the victim

6.4.2 An elimination sample from the victim(s) is required if there is an arrest. Testing of touched items (such as car swabs) associated with the owner of the property will be tested at the discretion of the Forensic Biology Department and may require an elimination sample from the victim before evidence is scheduled for testing. Exterior car swabs are not tested.

6.5 Criminal possession of weapon (CPW) and Firearm related

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- 6.5.1 The OCME will accept all gun swabs for CPW and Firearm related cases daily from the NYPD to ensure expeditious testing for the District Attorney Offices and Family Court.
- 6.5.1.1 Firearms swabs related to Homicides, Felony Assaults and Reckless Endangerment will be accepted for testing without requiring any other customer request.
 - 6.5.1.2 Found Firearms swabs (no suspects under arrest, including “chuck and run” with no arrest) will be accepted for testing if the firearm is linked by firearms comparison to another offense and a request is submitted by the customer.
 - 6.5.1.3 Criminal Sale of a Firearm swabs require a special request for testing by the customer and approval by the Forensic Biology Customer Liaison.
 - 6.5.1.4 Firearms seized from a crime scene (e.g., search warrants, inside a bag in a building, inside a car, in an alleyway, “chuck and run” with arrest, from a waistband, etc.) will be tested if a request is submitted by the customer.
 - 6.5.1.4.1 The customer is required to make a request via email to the Evidence Sign-In Team for testing to proceed for firearms mentioned in 6.5.1.2, 6.5.1.3, and 6.5.1.4. The request should include and be submitted using the following format:
 - 6.5.1.5 ADA/AUSA/ACC Assigned:
 - 6.5.1.6 Defendant’s Name(s):
 - 6.5.1.7 NYSID(s):
 - 6.5.1.8 Defendant’s DOB(s):
 - 6.5.1.9 Arrest Number(s):
 - 6.5.1.10 Complaint Number:
 - 6.5.1.11 Gun swab voucher(s):
 - 6.5.1.12 Abandonment and/or true sample voucher(s):
 - 6.5.1.13 A summary of the incident:
 - 6.5.1.14 Are the defendants or complainants in this case related to each other? If so, how?
 - 6.5.1.15 Are you waiting for DNA to indict? Y/N?
 - 6.5.1.16 Additionally, each evidence case request should be made as an individual request and be added by Evidence Sign-In Team to the case communication log.

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- 6.5.2 The Department of Forensic Biology will hold gun swabs and associated suspect sample(s) from CPW or Firearm related cases for approximately five months. After that period, if no request for testing has been made, the evidence will be returned to the NYPD Property Clerk for long term storage.
- 6.5.2.1 If at any point should a request be made, the evidence can be recalled and tested. However, a priority request will not be accepted for the testing of these recalled swabs if the priority request is being made due to lack of timely request for testing on the part of the requesting agency.
- 6.5.3 The first set of analysis is up to three swabs from each gun. Only the swabs of the guns will be tested for the first set of analysis. If samples from multiple guns are submitted, the first set of analysis is a maximum of two guns. A report will be issued on the analysis of those swabs.
- 6.5.4 If samples from multiple guns are submitted in a case with multiple suspects, the first set of analysis is limited to two guns per suspect. It is preferable that the assigned ADA prioritize the items. The Evidence Sign-In Team may require this information prior to accepting the samples for DNA testing.
- 6.5.5 Testing will not be scheduled for swabs taken from magazines, cartridge casings, or unspent rounds.
- 6.5.6 The OCME will accept swabs from large capacity ammunition feeding devices if the respective District Attorney's Office is prosecuting the case as a felony. The device in question must have the capacity to store more than ten rounds of ammunition. A special request for testing should be made to the Forensic Biology Customer Liaison.
- 6.6 Additional items related to CPWs such as clothing, bags and other items found to contain the gun will be accepted upon a special request. In addition to the request, one or more of the following scenarios must exist:
- the gun swabs tested yielded an insufficient amount of DNA for testing OR
 - a 5 or more persons mixture OR
 - the obtained statistical result(s) are insufficient for prosecution.
- 6.7 Burglary and Property Crimes
- 6.7.1 Testing of touched items associated with the owner of the property will not be tested without an elimination sample from the owner(s) of the property.
- 6.7.2 The first set of analysis is up to three items. The items should be prioritized for testing by likelihood of yielding DNA profiles:
- blood, cigarette butts or beverage containers

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- food or clothing items (including gloves) left by the perpetrator
 - item(s) touched by perpetrator, but owned by victim
- 6.7.3 Testing of car swabs associated with the owner of the property will be tested at the discretion of the Forensic Biology Department. Exterior car swabs will not be tested.
- 6.7.4 Additional testing will not be conducted unless there is a request made by the customer.
- 6.8 Other case types (arson, hate crimes, cases involving law enforcement personnel)
- 6.8.1 The first set of analysis is up to three items.
- 6.8.2 Testing of touched items associated with the owner of the property will not be tested without an elimination sample from the owner(s) of the property.
- 6.8.3 If a profile is developed, additional items will not be examined unless case circumstances (such as multiple perpetrators) dictate the need for additional analysis.
- 6.9 Narcotic overdoses
- 6.9.1 Special requests for the testing of drug evidence from suspected overdose incidents both fatal and non-fatal will be evaluated by the Department of Forensic Biology. The only items that will be accepted and considered for testing will be swabs taken of the interior surfaces of “unopened” narcotics containers to determine the person responsible for packaging and/or selling the narcotics. All requests for testing these items should be made to the Lab Director of the Department of Forensic Biology.
- 6.10 Criminal Paternity
- 6.10.1 Mother or alleged mother, father or alleged father, and living child should be submitted together for the evidence to be accepted for testing into the Department of Forensic Biology.
- 6.10.2 Fetus/Product of Conception (POC) samples will be accepted for testing when submitted with an exemplar from the mother. In rare circumstances a fetus/POC may be tested without any comparison exemplars.
- 6.11 Missing persons and identity cases
- 6.11.1 Exemplars known to have come from the missing person or unidentified individual, such as a medical specimen (e.g., a biopsy) are preferred.
- 6.11.2 If pseudo-exemplars known to have been used by the missing person, such as a toothbrush, are submitted, at least two samples from family members should also be submitted to confirm that the item was indeed used by the missing person.

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6.11.3 Kinship analysis is more informative if reference samples from multiple family members are submitted as exemplars for the purposes of identification. The submission of references from at least two family members is preferable in the following order:

- Known identical twin
- Both biological parents
- One biological parent and one biological child
- One biological child and spouse/partner (the other biological parent of child)
- One biological parent and full sibling
- Two full siblings

6.11.4 Submissions of any reference samples other than those shown in the list above will be evaluated on a case-by-case basis by the Evidence Sign-in Team and a supervisor.

7 Analysis schemes based on evidence type

7.1 Touch evidence

7.1.1 Touch evidence is defined as evidence which has no visible staining and may contain DNA that only results from touching an item with the skin. Touch evidence does not include cigarette butts, or samples from cans, bottles, straws, or other items in which the substance being tested is most likely saliva. Touch evidence does not include items submitted for identifying the wearer such as shirt, shoes, hats, etc. where there is a probability of prolonged contact.

7.1.2 Touch evidence will be accepted for possible DNA analysis when there is a high likelihood that the evidence submitted will provide informative results or investigative leads. A high degree of likelihood is established by means of witness corroboration, visual monitoring systems, or sound deductive reasoning.

7.1.3 Items submitted for touch evidence processing will comply with existing policy relating to the number of items of evidence that may be submitted based on case type.

7.1.4 Touched evidence from public common areas will not be accepted (public telephones, elevators, business doors, pens on a counter, etc.). Swabs of items such as the exterior of cars, dwellings, businesses, etc. will not be accepted. Swabs of drawer pulls collected for property crimes case will not be routinely tested and only considered if there is an associated suspect.

7.2 Touch evidence – clothing

7.2.1 Requests for touched clothing to be examined should be brought to the attention of the Forensic Biology Customer Liaison.

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7.2.2 Touched clothing evidence are items of evidence that should only be submitted as a last resort because it is rare to obtain foreign DNA from items that are already pre-soiled with the DNA of the wearer.

7.2.3 Touched clothing items that are accepted for testing are generally limited to the outer clothing of the victim that has been grabbed by the perpetrator, e.g., shirts, jackets, and pants. Intimate items which have been touched by the suspect, such as the crotch of victim's underwear or victim's face masks, do not fall into this category due to the overwhelming amount of DNA of the wearer.

7.2.4 The evidence will not be accepted without meeting the following requirements:

- An elimination sample from the victim
- Information that the assailant physically grabbed or held the clothing with an open, ungloved hand for a prolonged period (i.e., at least two minutes) with vigorous contact,
- A detailed narrative describing precisely where the assailant touched the clothing,
- A clothing sheet diagram is not required if the narrative contains the details of precisely where the assailant grabbed the victim and includes the amount of time that the contact was made.

7.2.5 The OCME will not test swabs of clothing taken by ECT or the CSU.

7.3 Cartridge Casings

7.3.1 Requests for cartridge casings to be examined should be brought to the attention of the Forensic Biology Customer Liaison by the NYPD.

7.3.2 Cartridge casings are items of evidence that should only be submitted for crimes against people where there is no other evidence for DNA testing.

7.3.3 Testing of cartridge casings up to 13 casings will be accepted per case.

8 Additional evidence for previously submitted cases

8.1 For pre-LIMS cases, request the case file from Records. For post-LIMS cases all case information can be accessed from the LIMS.

8.2 Check the case contacts or communication log for information; it is possible that the additional evidence has been vetted ahead of time. It may be necessary to contact the reporting analyst, a supervisor, or a manager to discuss. It may be necessary to contact the NYPD and/or the assigned ADA. Evaluate the newly submitted additional evidence in light of previous testing results. If an informative DNA profile was previously developed, or an association between a suspect and the evidence was previously made, an additional case assignment may not be needed, and the evidence can be deferred.

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8.3 If testing of the newly submitted evidence is needed, a new SOA and case assignment is created.

9 Requests for testing of a decedent for comparison to another case

9.1 On occasion, Forensic Biology is asked to test a decedent as a suspect in an unrelated case. These comparisons will be required to have an associated court order and/or a subpoena. The customers should send the request via email to the Evidence Sign-In Team and to the Forensic Biology Legal Team (FBIOLegal@ocme.nyc.gov).

9.2 If approved by the Forensic Biology legal department, a portion of the post-mortem bloodstain from the deceased suspect may be transferred into an S-file (analogous to suspect sexual assault kit buccal specimens) for typing, and comparison, as per normal procedures for suspects, with the exception of entry into LDIS.

10 External Special Testing Requests

For all special testing requests listed below, a request must be made to the Forensic Biology Customer Liaison to provide additional information regarding the facts of the case before acceptance and testing can proceed.

10.1 Testing of car swabs and evidentiary items obtained from inside cars involved in Crimes Against People where there is legitimate access to the vehicle will be tested if there is no other evidence in the case. Collection of these items must be contemporaneous to the time of the crime and comparison samples may be required. Up to 3 additional items will be approved for testing.

10.2 When additional testing is requested AFTER a CODIS profile has been determined from the initial round of testing, the lab requires all related information to vet the evidence properly for testing.

10.3 Due to limitations of the testing of suspect “touch” DNA on victim intimate clothing items (ex. crotch of victim’s underwear, victim’s face mask) as determined during the optimization of testing clothing for ‘touched’ foreign DNA, testing for touch DNA on intimate clothing items will ONLY be performed on violent sexual assault cases where no other evidence exists. An exemplar from the victim as well as a diagram of the location on the evidence touched by the suspect, a detailed narrative of the event and the duration of time of touching will be required before testing can commence.

10.4 Drug paraphernalia affiliated with non-drug cases will not be tested unless very unusual circumstances exist. If such testing is approved, NYPD must swab items/ remove drug material from the evidence before submitting to the lab for DNA testing.

10.5 Serology requests must be made to the Forensic Biology Department using the required serology request form and submitted via email to the email addresses in the header.

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11 Internal Special Testing Requests

- 11.1 Molecular Diagnostic, Paternity, Ancestry, and Civil testing requests must be made to the Forensic Biology Department via email at PMsignin@ocme.nyc.gov
- 11.2 Missing persons testing and Identification Review Committee testing requests must be made to the Forensic Biology Missing Persons Unit via email at FBiology_XTeam@ocme.nyc.gov

12 Requests for YSTR Testing for Familial Searching (FS)

- 12.1 A Familial Search is a deliberate, additional search of an evidentiary DNA profile against an offender database after a routine CODIS database search has failed to produce any direct matches. A Familial Search is conducted for the intended purpose of potentially identifying close biological relatives to the unknown forensic profile. A Familial Search is based on the concept that first order relatives such as siblings or parent/child relationships, will have more genetic data in common than unrelated individuals. New York State's Familial Search policy became effective October 18, 2017, for evidence samples to be searched against offender samples from SDIS. In order for a Familial Search to be performed, a DNA profile must be complete at all CODIS core loci as well as have a full YSTR profile (as applicable).
- 12.2 The Department of Forensic Biology does not directly perform Familial Searching of the CODIS database. The Department solely receives requests for YSTR testing from its customers so that Familial Searching may be requested as the NY State CODIS level. The requests for YSTR typing for the purposes of Familial Search pertain to evidentiary samples previously tested by the Department. Once YSTR testing is complete, the requesting agency must follow the NYS requirements for applying for a Familial Search of the sample in question. Such efforts enable the investigating agency to focus their investigation more closely in cold cases, providing new leads.
- 12.3 Customer requests for YSTR testing are sent via the OCME_IGG@ocme.nyc.gov email using the YSTR Request for Familial Search Tracking Form located on the NYC.gov/OCME website. This email is monitored by the Department's IGG Coordinator, Liaison, and designees.
- 12.4 Once a request is submitted, the IGG designee:
 - 12.4.1 Verifies the case information listed on the Extract Inquiry Form is correct.
 - 12.4.2 Has the case file(s) pulled if it is a hardcopy case record or refers to the LIMS record if it is electronic.
 - 12.4.3 Makes sure the requested sample name(s) indicated on the *Extract Inquiry Form* are correct in relation to previously tested sample name(s).
 - 12.4.4 Identifies whether enough sample and any associated extraction negative(s) still exists for YSTR testing after previous testing was concluded.

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- 12.4.4.1 If an associated extraction negative is exhausted, the sample cannot proceed with YSTR testing.
- 12.4.4.2 The lab manager may be contacted to assign this task to someone on the rotation.
- 12.4.5 Contacts the customer to inform them of the amount of extract and the concentration of the extract.
 - 12.4.5.1 The customer informs the OCME if they would like to proceed with YSTR testing.
- 12.4.6 The case will be assigned to a YSTR competent analyst to ensure proper YSTR testing of the sample and subsequent upload of the profile to CODIS.
 - 12.4.6.1 The case communication log is updated by a FIGG designee and the request form is attached.
 - 12.4.6.2 The YSTR request database is filled out with all relevant case and requested sample(s) information.
 - 12.4.6.3 If a potential person of interest is identified through Familial Searching at the NYS level, any known samples submitted for testing and comparison to the associated case evidence profile(s) will be assigned to a YSTR competent analyst or technical reviewer by the FIGG coordinator.
- 12.4.7 Evidence cases with CODIS profiles that do not contain all the CODIS core loci will not be accepted for YSTR testing for Familial Searching.
 - 12.4.7.1 Evidence cases with partial DNA profiles will not be accepted to obtain a more complete profile in order to meet the CODIS Familial Searching requirements. Any exception to this must come in the form of management approval.
- 12.4.8 Exemplars may be requested and tested for YSTR testing for unidentified human remains (UHRs) or missing person cases.

13 Requests for Forensic Investigative Genetic Genealogy Testing (FIGG)

- 13.1 Forensic Investigative Genetic Genealogy, (FIGG) is the science of using genetic and genealogical methods to generate leads for law enforcement entities investigating crimes and/or identifying human remains. Genetic genealogy uses DNA profiles from a crime scene or from unidentified human remains to identify close genetic DNA profiles or matches when compared to genealogical databases. The Department of Forensic Biology does not perform FIGG testing.
- 13.2 Customer requests for FIGG will be accepted for those cases where evidentiary samples or known retained samples (such as bone, for unidentified human remains or missing person cases) were previously extracted by the Department of Forensic Biology and/or the department has retained

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those DNA extracts. This method is outlined in the [Investigative Genetic Genealogy Testing section](#) of the Administrative Manual.

- 13.3 Evidence from previously tested cases will not be accepted solely to obtain a more useful DNA profile making it eligible for FIGG testing. Any exception to this must come in the form of management approval.

14 Evidence Sign-In process

- 14.1 During the evaluation process, the communication log and case notations are created, and additional documents may be considered (e-mailed pdf forms from DAOs, NYPD, etc.). Review the case details to determine if enough information is available to accept the evidence for testing at the Department of Forensic Biology.
- 14.1.1 Forensic Biology case databases (FBDMS and LIMS) are searched to determine if the evidence is from a new incident or is additional evidence for an existing Forensic Biology case.
- 14.1.2 If the evidence is from an existing case, the original case number is retained.
- 14.1.3 Cases with multiple victims, e.g., homicide/suicide, double homicide, assaults/sexual assaults with more than one victim, are counted as one incident, and therefore would be assigned a single case number.
- 14.1.4 *Serial or pattern crimes* (more than one homicide, sexual assault, or assault but over a period of time) have separate case numbers for each victim.

15 Case evaluation and schedule of analysis

- 15.1 General process
- 15.1.1 The schedule of analysis (SOA) gives guidance to the examining analyst on what examinations and tests are to be performed. An SOA is assigned to each item submitted and documented in LIMS.
- 15.2 Vouchered evidence
- 15.2.1 The decision of what analyses are to be performed is made by a member of the Evidence Sign-In Team after evaluation of the evidence through review of the NYPD paperwork (vouchers, requests for laboratory examinations, and NYPD reports), discussions with the NYPD, and/or discussions with assistant district attorneys. The SOA can change if new information is obtained, or in light of testing results.
- 15.2.2 Depending on the evidence, it may be necessary for other types of examinations to be done by the NYPD laboratory before or after the Department of Forensic Biology examines an

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item. Fingerprint processing, gunshot residue, hair and fiber examinations, etc., may be equally or more important than the presence of biological substances. In this situation the evidence would be deferred.

15.3 Post-mortem items

- 15.3.1 The decision of what analyses are to be performed is generally made by a supervisor of the Forensic Biology Department after evaluation of the items through review of the OCME paperwork and/or discussions with the medical examiner. The SOA can change if new information is obtained, or in light of testing results.
- 15.3.2 The SOA can also change if the medical examiner, NYPD and/or assistant district attorneys request analysis at a later time.

15.4 Creation of case assignment.

- 15.4.1 Once the schedule of analysis is completed, an assignment for each anticipated report with the assignment start date and target date is created. The actual reporting analyst (RA) for the assignment will be selected later.
- 15.4.2 Once the sign-in process has been completed, the Evidence Sign-In Criminalist IV will review the schedule of analysis and approve when building a daily batch for the evidence exam rotation.
- 15.4.3 The OCME Evidence Unit will be notified that the evidence is ready for examination and that they should have the evidence ready for pickup by the criminalists on the evidence exam rotation.