



Rapid DNA Update for 2024

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Background



- “Sample in, DNA results out” in about 2 hours
- Currently 2 instruments available
 - Thermo Fisher
 - ANDE
- Booking Station Application (Now)
 - **DNA Index of Special Concern (DISC)**
- Crime scene samples to DNA Database
 - **(Future early 2025)**

DISC



- Louisiana has 2 booking stations with Rapid
 - Florida
 - Texas
- FBI has several at Federal Level
- Near real time search of arrestee profile while the individual is still in custody
- Search is against the DISC
 - Homicide, Sexual Assault, Kidnapping, Terrorism

DISC



- The case must be open/unsolved and the Statute of Limitations has not expired
- The Law Enforcement Agency must be willing to investigate
- The Law Enforcement Agency must be willing to extradite if the identified individual is a potential suspect
- 24-hour contact information needed

DISC



- Any Rapid Hit(s) will generate an Unsolicited DNA Notification (UDN)
- The UDN will be routed to the law enforcement Originating Agency Identifier (ORI) via the National Law Enforcement Telecommunications System (Nlets)
- As soon as practicable, the DFS DNA unit will contact the Law Enforcement Agency to confirm receipt of the UDN

DISC



- DFS will start to identify cases for DISC enrollment
- Start with agencies in the Tidewater area
- Will expand statewide

If the case is not DISC enabled, law enforcement will get any DNA match information the traditional way (no hit missed)

Crime scene samples to DNA Database



- Current practice is A swab, B swab method
 - “A” sample for the instrument then a duplicate “B” sample for DFS
- New practice - intent is to allow for the instrument sample generated by law enforcement to potentially be uploaded and searched in state and national DNA databases
- Good quality DNA profiles for upload, not intended for challenging samples

Crime Scene Samples to DNA Database



- Requirements
 - Proposed DNA testing will be done under the forensic science laboratory accreditation umbrella
 - Validation of new chips for instruments
 - Training of law enforcement staff
 - Proficiency Testing
 - Scientist review of the Data

Crime Scene Samples to DNA Database



- New chips have been developed and are being testing
- Accrediting bodies are working on expansion of testing scope for forensic science laboratories
- Additional testing standards are being drafted and will be available for review in 2024

Crime Scene Samples to DNA Database



- Potential staffing and equipment funding increases for law enforcement and DFS
- Monitor progress in 2024