

THE FIRST AND ONLY
RAPID DNA SYSTEM
APPROVED BY THE FBI



The FBI has raised the standard for DNA samples that can be uploaded by accredited NDIS labs to CODIS to 20 Short Tandem Repeat loci (chromosomal regions). This is over a million times more specific for human identification than the previous standard of 13 loci. ANDE is the first and only Rapid DNA system to be granted FBI approval under both the previous and the new standard.

The NDIS Approval

allows accredited NDIS laboratories to process buccal swabs using the ANDE 6C system and search the resulting ANDE DNA IDs™ against the FBI's Combined DNA Index System (CODIS) program, without manual interpretation or technical review.

NDIS

is the acronym for the "National DNA Index System" and contains the DNA profiles contributed by federal, state, and local participating forensic laboratories. All 50 states, the District of Columbia, the federal government, the U.S. Army Criminal Investigation Laboratory, and Puerto Rico participate in NDIS.

The Rapid DNA Act of 2017

requires NDIS approval of Rapid DNA systems to be used in police booking stations.

For more information:

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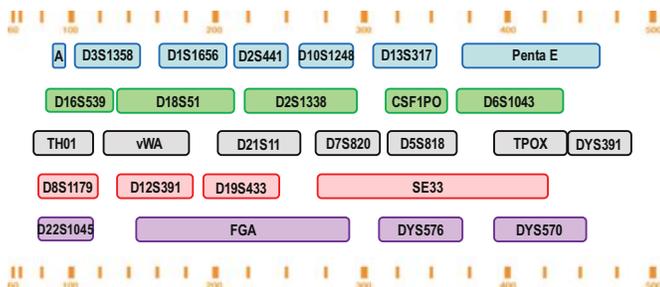
This milestone marks a major step toward the use of Rapid DNA in police booking stations to dramatically reduce violent crime.



Effective June 1, 2018, the following Rapid DNA system is approved for use at NDIS by an accredited forensic DNA laboratory:

Component	Name	Part/Version Number
Rapid DNA Instrument	ANDE 6C Instrument	A0120001003
Typing Kit	FlexPlex27	FlexPlex27
Cartridge	ANDE A-Chip (FlexPlex)	A0210001057
System Software	ANDE System Software	2.0.6
Expert System Software	ANDE Expert System	2.0.5

Source: FBI



The FlexPlex® assay

is the most powerful STR assay in the field, and contains all required FBI STR loci as well as all additional loci required for international databasing.

The Validation Process

More than 2,000 samples were tested in the validation process, and the ANDE system successfully produced accurate, reliable, reproducible, and robust results without manual processing. The validation work demonstrated that ANDE includes features critical for implementation in the police station:

- The ANDE Rapid DNA system was at least as accurate as the conventional lab
- The system prevented sample contamination and sample mix-up
- The instruments and chips all performed as designed
- The data was properly and correctly interpreted without human review

Forensic Laboratories Participating in NDIS Approval Studies:



Florida Department of Law Enforcement



Louisiana State Police



Defense Forensic Science Center



National Institute for Criminalistics and Criminology, Belgium



National Institute of Standards and Technology

"I thank the FBI and the major laboratories that worked so diligently to make this a reality. Many rapists and murderers are serial criminals, and Rapid DNA at the police station will link them to their earlier unsolved crimes while still in custody. We look forward to working closely with state and local Law Enforcement and the FBI to implement the ANDE system in police booking stations across the country."

– George Heinrichs, ANDE CEO

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