



AMERICAN SOCIETY OF CRIME LABORATORY DIRECTORS, INC.

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ASCLD Position Statement

The reduced timeline for data generated by Rapid DNA instrumentation from biological material provides an excellent opportunity for increased public safety through quick identification of individuals. Rapid instruments are not yet approved for use on forensic evidence samples for direct CODIS access (1-3). Many DNA profiles generated at crime scenes have the potential of containing DNA mixtures. Data from single source reference samples has been demonstrated to be reliable (4,5). Therefore, at this time, ASCLD supports a position for database inclusion of single source known reference profiles only.

ASCLD supports a position for continued database inclusion of crime scene samples after expert review, as provided by current DNA testing protocols in an accredited crime laboratory. We recommend that Forensic Science Service Providers determine whether it is appropriate to use Rapid DNA technology for investigative leads on crime scene DNA samples as long as there is sufficient sample to ensure the ability to test the samples in an accredited laboratory, using existing infrastructure to access CODIS and provide expert review, quality control measures and testimony. As Rapid instrumentation, software and implementation progresses, ASCLD will re-evaluate its position on crime scene samples inclusion in CODIS.

1. FBI Rapid DNA, <https://www.fbi.gov/services/laboratory/biometric-analysis/codis/rapid-dna>
2. FBI Rapid DNA Executive Summary – FBI’s Vision of Rapid DNA, <https://www.fbi.gov/file-repository/rapid-dna-executive-summary-9-25-17-final.pdf/view>
3. SWGDAM Position Statement on Rapid DNA Analysis, https://docs.wixstatic.com/ugd/4344b0_f84df0465a2243218757fac1a1ccffea.pdf, October 23, 2017
4. Date-Chong, M., Hudlow, W.R., and Buoncristiani, M.R., Evaluation of the RapidHIT 200 and RapidHIT GlobalFiler Express kit for fully automated STR Typing, For Sci Int; Genetics 23 (2016) 1-8
5. Moreno, L.I., Brown, A.L., and Callahan, T.F., Internal Validation of the DNAscan/ANDE Rapid DNA Analysis Platform and Its Associated PowerPlex 16 High Content DNA Biochip Cassette for Use as an Expert System with Reference Buccal Swabs, For Sci Int: Genetics 29 (2017) 100-108