



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

FORENSIC ASSURANCE, INC.
Northville Research Center
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PROFICIENCY TESTING PROVIDER

Valid To: November 30, 2021

Certificate Number: 3526.01

In recognition of the successful completion of the A2LA evaluation process, this proficiency-testing provider has been found to meet the ISO/IEC 17043:2010, "Conformity assessment-General Requirements for Proficiency testing." Accreditation is granted to this provider to provide proficiency testing samples in the following programs:

<u>PROGRAM NAME</u>	<u>PROGRAM DESCRIPTION</u>	<u>SAMPLE DESCRIPTION</u>
Forensic Biology	Evaluation of unknown stains for the presence of body fluids (blood, semen, saliva) and evaluation and comparison of known DNA from a contributor to unknown samples.	Samples are human blood, semen and/or saliva provided as stains on clothing items, FTA cards, cotton swabs, objects typically encountered in forensic casework, or similar medium. Test will be offered 4X per year.
Forensic DNA	Evaluation and comparison of DNA samples from a known contributor to unknown DNA samples.	Samples are human blood, semen, and/or saliva provided as stains on , FTA cards and cotton swabs or similar medium. Test will be offered 4X per year.
Forensic Body Fluid Identification	Evaluation of unknown stains for the presence of body fluids (blood, semen, saliva).	Samples are human blood, semen, and/or saliva provided as stains on clothing items, cotton swabs, objects typically encountered in forensic casework, or similar medium. Tests will be offered 2X per year.
Forensic Fingerprint Identification	Evaluation and comparison of known fingerprint cards to unknown fingerprints.	Photographs of developed fingerprints, such as latent prints developed using fingerprint powder, and known ten-print fingerprint cards. Test will be offered 2X per year.

<u>PROGRAM NAME</u>	<u>PROGRAM DESCRIPTION</u>	<u>SAMPLE DESCRIPTION</u>
Forensic Firearm Identification	Evaluation and inter-comparison of tool marks present on fired ammunition components.	Fired bullets and/or fired cartridge cases. Various types of ammunition may be used. Test will be offered 2X per year.
Forensic Tool Mark Identification	Evaluation and inter-comparison of non-firearm type tool marks. Tool marks may be compared to a known tool included with test, or inter-compared to determine if they were produced using the same tool.	Tool marks imparted on various substrates and suspect tools. Test will be offered 2X per year.
Forensic Fiber Analysis	Analysis and comparison of questioned and known fiber samples.	Known cuttings from different types of fabric and/or clothing items and questioned samples of fibers. Test will be offered once per year.
Forensic Paint Analysis	Analysis and comparison of questioned and known paint samples.	Known samples of paint and questioned paint samples/smears. Test will be offered once per year.
Forensic Footwear Examination	Examination and comparison of digital images and/or photographs of known shoes/impressions to questioned footwear impressions on various substrates.	Digital images and/or photographs of known shoes, known impressions and questioned footwear impressions on various substrates. Test will be offered once per year.
Gunshot Residue	Analysis and comparison of questioned gunshot residue patterns and images of chemically processed and unprocessed known distance gunshot residue patterns to determine the muzzle-to-target distance range.	Gunshot residue patterns imparted on fabric and printed images of the known distance gunshot residue patterns. Test will be offered once per year.



<u>PROGRAM NAME</u>	<u>PROGRAM DESCRIPTION</u>	<u>SAMPLE DESCRIPTION</u>
Controlled Substances	Analysis of questioned samples to determine if a controlled substance is present, and if so, the identity of the controlled substance.	Powders, solids, plant materials, or other sample types that are routinely encountered in casework. Test will be offered 2X per year.
Fingerprint Processing	Analysis using latent fingerprint development techniques to determine if latent fingerprint(s) are present.	Porous, non-porous, and adhesive surfaces with latent prints deposited using a natural or a blood matrix. Test will be offered once per year.
Probabilistic Genotyping Software	Evaluation and comparison of DNA samples from known contributors to unknown DNA mixture samples using current probabilistic genotyping software.	Samples are dried human blood on cotton swabs. Test will be offered 2X per year.
Bloodstain Pattern Analysis	Characterization of bloodstain patterns and analysis of impact blood spatter to determine angle of impact.	Digital images and/or photographs of bloodstain patterns on various substrates. Test will be offered once per year.

With the exception of the proficiency-testing items listed below, the assigned values for all proficiency testing items are known values, as defined in the ISO/IEC 17043:2010 document under Appendix B.2.1(a). These values are qualitative and therefore uncertainties are not applicable to these schemes.

- The qualitative determination of allele values for the Forensic Biology and Forensic DNA proficiency-testing schemes is based on consensus values from participants. These values are qualitative and therefore uncertainties are not applicable to these schemes.
- The quantitative determination of assigned values and associated uncertainties for angle of impact on the Bloodstain Pattern Analysis proficiency-testing scheme is based on consensus values from participants.





Accredited Proficiency Testing Provider

A2LA has accredited

FORENSIC ASSURANCE, INC.

Northville, MI

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation.

This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043:2010 *Conformity assessment - General requirements for proficiency testing*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.



Presented this 4th day of October 2017.

President and CEO
For the Accreditation Council
Certificate Number 3526.01
Valid to November 30, 2021

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.