# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

## Massachusetts State Police Forensic Services Division Crime Laboratory

**124 Acton Street, Maynard, Massachusetts 01754 USA**

Fulfills the requirements of

## ISO/IEC 17025:2017

**Accreditation Requirements for Forensic Testing and Calibration (2023)**

**FBI Quality Assurance Standards for Forensic DNA Testing Laboratories: 2025**

**FBI Quality Assurance Standards for DNA Databasing Laboratories: 2025**

In the field of

## Forensic Testing

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Pamela L. Sale, Vice President, Forensics

Expiry Date: 31 October 2030
Certificate Number: FT-0331

# SCOPE OF ACCREDITATION TO:
# ISO/IEC 17025:2017

**Accreditation Requirements for Forensic Testing and Calibration (2023)**
**FBI Quality Assurance Standards for Forensic DNA Testing Laboratories: 2025**
**FBI Quality Assurance Standards for DNA Databasing Laboratories: 2025**

## Massachusetts State Police Forensic Services Division
## Crime Laboratory

"see locations below"

## FORENSIC TESTING

ISO/IEC 17025 Accreditation Granted: 24 September 2013

Certificate Number: FT-0331 Certificate Expiry Date: 31 October 2030

**Maynard Laboratory**
124 Acton Street
Maynard, Massachusetts 01754 USA

| **Discipline: Biology** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| DNA Profile Determination | Short Tandem Repeat (STR)<br>Y-Short Tandem Repeat (Y-STR) | Capillary Electrophoresis |
| DNA Profile Determination<br>(Database Samples) | Short Tandem Repeat (STR)<br>Y-Short Tandem Repeat (Y-STR) | Capillary Electrophoresis |
| Individual Characteristic Database | DNA Profile | National DNA Index System (NDIS) |
| Physical Comparison | DNA Profile | Software Program |
| Qualitative Determination | Body Fluid<br>Epithelial Cell | Chemical<br>Fluorescence Spectroscopy<br>General Microscopy<br>Immunoassay |

| **Discipline: Bloodstain Pattern Analysis** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Area of Convergence/Origin Determination | Stain | Imaging |



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| | | |
|---|---|---|
| Bloodstain Pattern Classification | Stain | General Microscopy<br>Visual |
| Reconstruction | Inspection/Test Result<br>Other Information | Not Applicable |

| **Discipline: Firearms and Toolmarks** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Distance Determination | Firearm<br>Physical Item | Chemical<br>General Microscopy<br>Measuring Equipment |
| Function Evaluation | Firearm<br>Silencer | Measuring Equipment<br>Visual |
| Individual Characteristic Database | Ammunition | National Integrated Ballistic Information Network (NIBIN) |
| Physical Comparison | Ammunition | General Microscopy<br>Visual |
| Qualitative Determination | Ammunition<br>Firearm<br>Metal | Chemical<br>General Microscopy<br>Measuring Equipment<br>Reference Collection |

| **Discipline: Friction Ridge** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Enhancement | Ridge Detail | Chemical<br>Physical<br>Software Program |
| Individual Characteristic Database | Ridge Detail | Next Generation Identification System (NGI) |
| Physical Comparison | Ridge Detail | Software Program<br>Visual |

| **Discipline: Impressions** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Enhancement | Footwear<br>Tire | Chemical<br>Physical<br>Software Program |
| Physical Comparison | Footwear<br>Tire | Software Program<br>Visual |
| Qualitative Determination | Footwear<br>Tire | Visual |



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| **Discipline: Materials (Trace)** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Fiber/Textile<br>Hair | General Microscopy<br>Visual |

| **Discipline: Scene Investigation** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Enhancement | Physical Item | Chemical<br>Physical |
| Qualitative Determination | Body Fluid<br>Metal<br>Physical Item | Chemical<br>Visual |

| **Discipline: Toxicology – General Testing** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Ante-Mortem Biological Item<br>Post-Mortem Biological Item | Colorimetry<br>Electrochemical<br>Gas Chromatography<br>Immunoassay<br>Infrared Spectroscopy<br>Liquid Chromatography<br>Mass Spectrometry<br>Microdiffusion<br>Visible Spectroscopy<br>Ion specific Electrode |
| Qualitative Determination (Volatiles) | Ante-Mortem Biological Item<br>Post-Mortem Biological Item | Chemical<br>Gas Chromatography |
| Quantitative Measurement | Ante-Mortem Biological Item<br>Post-Mortem Biological Item | Electrochemical<br>Gas Chromatography<br>Infrared Spectroscopy<br>Liquid Chromatography<br>Mass Spectrometry<br>Visible Spectroscopy |
| Quantitative Measurement (Volatiles) | Ante-Mortem Biological Item<br>Post-Mortem Biological Item | Gas Chromatography |



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**Bourne Laboratory**
Bourne Rotary – Route 28
Bourne, Massachusetts 02532 USA

| **Discipline: Friction Ridge** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Enhancement | Ridge Detail | Chemical<br>Physical<br>Software Program |
| Individual Characteristic Database | Ridge Detail | Next Generation Identification System (NGI) |
| Physical Comparison | Ridge Detail | Software Program<br>Visual |

| **Discipline: Scene Investigation** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Enhancement | Physical Item | Chemical<br>Physical |

**Danvers Laboratory**
485 Maple Street
Danvers, Massachusetts 01923 USA

| **Discipline: Biology** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Body Fluid<br>Epithelial Cell | Chemical<br>General Microscopy<br>Immunoassay |

| **Discipline: Firearms and Toolmarks** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Function Evaluation | Firearm<br>Silencer | Measuring Equipment<br>Visual |
| Physical Comparison | Ammunition | General Microscopy<br>Visual |
| Qualitative Determination | Ammunition<br>Firearm | General Microscopy<br>Measuring Equipment<br>Reference Collection |

| **Discipline: Friction Ridge** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Enhancement | Ridge Detail | Chemical<br>Physical<br>Software Program |
| Individual Characteristic Database | Ridge Detail | Next Generation Identification System (NGI) |
| Physical Comparison | Ridge Detail | Software Program<br>Visual |

| **Discipline: Materials (Trace)** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Fiber/Textile<br>Hair | General Microscopy<br>Visual |

| **Discipline: Scene Investigation** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Enhancement | Physical Item | Chemical<br>Physical |
| Qualitative Determination | Body Fluid<br>Metal<br>Physical Item | Chemical<br>Visual |

**Lakeville Laboratory**
30 Riverside Drive
Lakeville, Massachusetts 02347 USA

| **Discipline: Biology** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Body Fluid<br>Epithelial Cell | Chemical<br>General Microscopy<br>Immunoassay |

| **Discipline: Bloodstain Pattern Analysis** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Area of Convergence/Origin Determination | Stain | Imaging |

| | | |
|---|---|---|
| Bloodstain Pattern Classification | Stain | General Microscopy<br>Visual |
| Reconstruction | Inspection/Test Result<br>Other Information | Not Applicable |

| **Discipline: Firearms and Toolmarks** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Function Evaluation | Firearm<br>Silencer | Measuring Equipment<br>Visual |
| Individual Characteristic Database | Ammunition | National Integrated Ballistic Information Network (NIBIN) |
| Physical Comparison | Ammunition | General Microscopy<br>Visual |
| Qualitative Determination | Ammunition<br>Firearm | General Microscopy<br>Measuring Equipment<br>Reference Collection |

| **Discipline: Friction Ridge** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Enhancement | Ridge Detail | Chemical<br>Physical<br>Software Program |
| Individual Characteristic Database | Ridge Detail | Next Generation Identification System (NGI) |
| Physical Comparison | Ridge Detail | Software Program<br>Visual |

| **Discipline: Materials (Trace)** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Fiber/Textile<br>Hair | General Microscopy<br>Visual |

| **Discipline: Scene Investigation** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Enhancement | Physical Item | Chemical<br>Physical |

| | | |
|---|---|---|
| Qualitative Determination | Body Fluid<br>Metal<br>Physical Item | Chemical<br>Visual |

**Roxbury Laboratory**
21-27 Batchelder Street
Roxbury, Massachusetts 02119 USA

| **Discipline: Friction Ridge** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Enhancement | Ridge Detail | Chemical<br>Physical<br>Software Program |
| Individual Characteristic Database | Ridge Detail | Next Generation Identification System (NGI) |
| Physical Comparison | Ridge Detail | Software Program<br>Visual |

| **Discipline: Scene Investigation** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Enhancement | Physical Item | Chemical<br>Physical |

**Springfield Laboratory**
190 Carando Drive
Springfield, Massachusetts 01104 USA

| **Discipline: Biology** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Body Fluid<br>Epithelial Cell | Chemical<br>General Microscopy<br>Immunoassay |

| **Discipline: Bloodstain Pattern Analysis** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Area of Convergence/Origin Determination | Stain | Imaging |
| Bloodstain Pattern Classification | Stain | General Microscopy<br>Visual |

| | | |
|---|---|---|
| Reconstruction | Inspection/Test Result<br>Other Information | Not Applicable |

| **Discipline: Firearms and Toolmarks** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Distance Determination | Firearm<br>Physical Item | Measuring Equipment |
| Function Evaluation | Firearm<br>Silencer | Measuring Equipment<br>Visual |
| Individual Characteristic Database | Ammunition | National Integrated Ballistic Information Network (NIBIN) |
| Physical Comparison | Ammunition | General Microscopy<br>Visual |
| Qualitative Determination | Ammunition<br>Firearm | General Microscopy<br>Measuring Equipment<br>Reference Collection |

| **Discipline: Friction Ridge** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Enhancement | Ridge Detail | Chemical<br>Physical<br>Software Program |
| Individual Characteristic Database | Ridge Detail | Next Generation Identification System (NGI) |
| Physical Comparison | Ridge Detail | Software Program<br>Visual |

| **Discipline: Materials (Trace)** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Fiber/Textile<br>Hair | General Microscopy<br>Visual |

| **Discipline: Scene Investigation** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Enhancement | Physical Item | Chemical<br>Physical |

| | | |
|---|---|---|
| Qualitative Determination | Body Fluid<br>Metal<br>Physical Item | Chemical<br>Visual |

| **Discipline: Seized Drugs** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Qualitative Determination | Botanical<br>Liquid<br>Solid | Chemical<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy<br>Mass Spectrometry<br>Ultraviolet Spectroscopy<br>Visible Spectroscopy<br>Visual |
| Weight Measurement | Botanical<br>Liquid<br>Solid | Balance |

**Sudbury Laboratory**
59 Horse Pond Road
Sudbury, Massachusetts 01776 USA

| **Discipline: Fire Debris and Explosives** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Qualitative Determination | Explosive | Chemical<br>Energy Dispersive Spectroscopy<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy<br>Mass Spectrometry<br>Raman Spectroscopy<br>Scanning Electron Microscopy |
| Qualitative Determination | Fire Debris | Gas Chromatography<br>Mass Spectrometry |

| **Discipline: Materials (Trace)** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Chemical / Physical Comparison | Coating<br>Fiber/Textile<br>Fractured Item<br>General Unknown<br>Glass<br>Hair | Chemical<br>Energy Dispersive Spectroscopy<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy<br>Mass Spectrometry |

| | | |
|---|---|---|
| | Polymer | Microspectrophotometry<br>Refractometry<br>Scanning Electron Microscopy<br>Visual |
| Qualitative Determination | Coating<br>Fiber/Textile<br>General Unknown<br>Glass<br>Gunshot Residue<br>Hair<br>Polymer | Chemical<br>Energy Dispersive Spectroscopy<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy<br>Mass Spectrometry<br>Microspectrophotometry<br>Raman Spectroscopy<br>Refractometry<br>Scanning Electron Microscopy<br>Visual |
| Serial Number Restoration | Physical Item | Chemical<br>General Microscopy<br>Magnetic<br>Visual |

| **Discipline: Seized Drugs** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Qualitative Determination | Botanical<br>Liquid<br>Solid | Chemical<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy<br>Mass Spectrometry<br>Ultraviolet Spectroscopy<br>Visible Spectroscopy<br>Visual |
| Weight Measurement | Botanical<br>Liquid<br>Solid | Balance |

**Worcester Laboratory**
150 Goddard Memorial Drive, Suite 3
Worcester, Massachusetts 01603 USA

| **Discipline: Friction Ridge** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Enhancement | Ridge Detail | Chemical<br>Physical<br>Software Program |
| Individual Characteristic Database | Ridge Detail | Next Generation Identification System (NGI) |

| | | |
|---|---|---|
| Physical Comparison | Ridge Detail | Software Program<br>Visual |

| **Discipline: Scene Investigation** | | |
|---|---|---|
| **Component/Parameter** | **Item** | **Key Equipment/Technology** |
| Field Sampling | Physical Item | Not Applicable |
| Enhancement | Physical Item | Chemical<br>Physical |

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