



# ANSI National Accreditation Board

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

**ANAB 17025:2017 Forensic Science Testing and Calibration Laboratories  
Accreditation Requirements**

**FBI Quality Assurance Standards for Forensic DNA Testing Laboratories:2011  
FBI Quality Assurance Standards for DNA Databasing Laboratories:2011**

### **Minnesota Bureau of Criminal Apprehension Forensic Science Services**

#### **FORENSIC TESTING**

Valid to: November 30, 2023

Certificate Number: FT-0183

#### **St. Paul Forensic Science Laboratory**

1430 Maryland Avenue East  
St. Paul, Minnesota 55106

<b>Discipline: Biology</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
DNA-STR	MBI-700	Blood, Saliva, Hair, Bone, Teeth, Semen, Epithelial Cells	Robotic System, PCR, Capillary Electrophoresis, Data Interpretation System
DNA-YSTR	MBI-700	Blood, Saliva, Hair, Bone, Teeth, Semen, Epithelial Cells	Robotic System, PCR, Capillary Electrophoresis, Data Interpretation System
DNA-Mitochondrial	MBI-800	Blood, Saliva, Hair, Bone, Teeth	Robotic System, PCR, Organic Extraction, Capillary Electrophoresis, Data Interpretation System
Presumptive Testing	MBI-100, MBI-102, MBI-103	Blood, Seminal Fluid, Saliva, Urine	Refer to Method
Body Fluid Identification	MBI-102	Semen	Refer to Method
Relationship Testing	MBI-900	Blood, Saliva, Hair, Bone, Teeth	Robotic System, Organic Extraction, PCR, Capillary Electrophoresis, Data Interpretation System
Individual Characteristic Database	MBI-701	Blood, Saliva	Combined DNA Index System (CODIS)



<b>Discipline: Bloodstain Pattern Analysis</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Documentation <sup>2,3</sup>	MBPA-100	Physical Evidence	Refer to Method
Area of Origin Determination <sup>2,3</sup>	MBPA-100	Physical or Digital Evidence	Refer to Method
Bloodstain Pattern Determination <sup>2,3</sup>	MBPA-100	Physical or Digital Evidence	Refer to Method
Event Reconstruction	MBPA-100	Physical or Digital Evidence, Test Results, Records	Refer to Method

<b>Discipline: Crime Scene Investigation</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Scene Documentation <sup>2,3</sup>	MCST-010, MCST-011, MCST-012	Location	Refer to Method
Enhancement <sup>1,2,3</sup>	Flexible Scope	Location and Physical Evidence	Visual, Digital, Physical, Chemical
Presumptive Testing <sup>1,2,3</sup>	Flexible Scope	Physical Evidence	Refer to Method
Collection <sup>2,3</sup>	MCST-004, MCST-005, MCST-006, MCST-007, MCST-008, MCST-009, MCST-011	Physical Evidence	Refer to Method
Event Reconstruction <sup>2,3</sup>	MCST-001	Physical Evidence, Testimonial Evidence, Records, Test Results	Refer to Method
Trajectory Determination <sup>2,3</sup>	MCST-001	Firearm, Firearm Components	Refer to Method

<b>Discipline: Digital Evidence</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Preservation <sup>1</sup>	Flexible Scope	Physical or Digital Evidence	Refer to Method
Acquisition/Extraction <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method
Analysis <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method
Authentication <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method
Reconstruction <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method
Comparison <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method

<b>Discipline: Firearms and Toolmarks</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Physical Comparison	FA-110, FA-108, FA-106, FA-112, FA-113, FA-201, FA-114, FA-202, MFA-010, MFA-012, MFA-021	Firearm, Firearm Components, Toolmark, Toolmark Components	Comparison Microscope
Determination of Functionality	FA-106, FA-105, FA-107	Firearm	Refer to Method
Length Measurement	FA-108, FA-702	Firearm	Measuring Equipment
Serial Number Restoration	MFA-040	Firearm, Physical Evidence	Refer to Method
Trigger Pull Force Measurement	FA-107	Firearm	Refer to Method
Qualitative Chemical Determination	FA-005, FA-303, FA-301, FA-305, MFA-030, FA-304	Physical Evidence	Color Test
Product (Make/Model) Determination	FA-102	Firearm, Firearm Components	General Rifling Characteristics Database (GRC), Measuring Equipment
Individual Characteristic Database	FA-501	Firearm Components	National Integrated Ballistic Information Network (NIBIN), Integrated Ballistic Information System (IBIS)

<b>Discipline: Fire Debris and Explosives</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Qualitative Determination	MFD-101	Ignitable Liquids, Fire Debris, Incendiary Devices	Gas Chromatography, Mass Spectrometry, Scanning Electron Microscopy, Energy Dispersive Spectroscopy, Infrared Spectroscopy

<b>Discipline: Footwear/Tire</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Enhancement	MTC-019, MTC-020	Footwear Impression/Tire Impression	Digital, Photography, Physical, Chemical, Casting
Physical Comparison	MTC-019, MTC-020	Footwear Impression/Tire Impression, Footwear/Tires	Refer to Method



Product (Make/Model) Determination	MTC-019, MTC-020	Footwear Impression/Tire Impression	Reference Material Search, Solemate Shoe Database, Treadmate Shoe Database
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<b>Discipline: Friction Ridge</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Enhancement	MLP-001, MLP-002, LP-001, LP-004, LP-009, LP-019, LP-025, LP-035, LP-037, LP-038, LP-040, LP-043, LP-046, LP-047, LP-049, LP-050, LP-053	Patent, Latent, Plastic	Digital Imaging, Physical, Chemical
Physical Comparison	MLP-004, LP-048, LP-050, LP-052	Developed Patent, Latent or Plastic to a Known, Unknown to Unknown	Digital Imaging
Individual Characteristic Database	MLP-004, LP-036, LP-050	Developed Patent, Latent or Plastic to a Known, Unknown to Unknown	Automated Fingerprint Identification System (AFIS), Next Generation Identification (NGI), Midwest Automated Fingerprint Identification Network (MAFIN)

<b>Discipline: Materials (Trace)</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Physical Determination	TC-064, MTC-001, MTC-002, MTC-003, MTC-005, MTC-013, MTC-015, MTC-020, MTC-302	Fiber/Textiles, Glass, Hair, Paint/Tape/Polymer, Chemical Unknowns, Physical Unknowns, Filaments	Microscopy (Polarized Light, Fluorescence, Comparison and Stereo), Microspectrophotometry, Digital Calipers, Alternate Light, Melting Point, Scanning Electron Microscopy
Chemical Determination	MTC-001, MTC-002, MTC-003, MTC-005 MTC-013, MTC-015 MTC-302	Fiber/Textiles, Glass, Hair, Paint/Tape/Polymer, Chemical Unknowns, Physical Unknowns, Filaments	Polarized Light Microscopy, Microchemical Tests, Refractive Index, Melting Point, Scanning Electron Microscopy, Energy Dispersive Spectroscopy, Infrared Spectroscopy, Microspectrophotometry, Mass Spectrometry, Gas Chromatography

Physical/Chemical Comparison	TC-064, MTC-001 MTC-002, MTC-003 MTC-005, MTC-013 MTC-015, MTC-020 MTC-302	Fiber/Textiles, Glass, Hair, Paint/Tape/Polymer, Chemical Unknowns, Physical Unknowns, Filaments	Microscopy (Polarized Light, Fluorescence, Comparison and Stereo) Digital Calipers, Alternate Light, Microchemical Tests, Refractive Index, Melting Point, Scanning Electron Microscopy, Energy Dispersive Spectroscopy, Infrared Spectroscopy, Microspectrophotometry, Gas Chromatography, Mass Spectrometry
Product (Make/Model) Determination	TC-046	Paint	Automotive Paint Data Query Database (PDQ)

<b>Discipline: Seized Drugs</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Qualitative Determination <sup>1</sup>	Flexible Scope	Solid, Liquid, Botanical	Macroscopic Exam, Microscopic Exam, Color Spot Tests, Microcrystalline, Fluorescence Spectroscopy, Gas Chromatography, Mass Spectrometry, Infrared Spectroscopy, Raman Spectroscopy
Quantitative Measurement	CH-204 TO-205(ethanol only)	Solid, Liquid	High Performance Liquid Chromatography, Ultraviolet-Visible Spectroscopy, Gas Chromatography
Weight Measurement <sup>1</sup>	Flexible Scope	Solid, Liquid, Botanical	Balance
Volume Measurement <sup>1</sup>	Flexible Scope	Liquid	Volumetric Glassware

<b>Discipline: Toxicology</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Qualitative Determination <sup>1</sup>	Flexible Scope	Blood, Vitreous Humor, Urine, Serum, Plasma	Gas Chromatography, Liquid Chromatography, Mass Spectrometry, Immunoassay



Quantitative Measurement <sup>1</sup>	Flexible Scope	Blood, Vitreous Humor, Urine, Serum, Plasma	Gas Chromatography, Mass Spectrometry, Liquid Chromatography
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### Bemidji Crime Laboratory

3700 N. Norris Court NW  
Bemidji, MN 56601

Discipline: Biology			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
DNA-STR	MBI-700 (Extraction and Quantification)	Blood, Saliva, Hair, Semen, Epithelial Cells	Robotic System, PCR, Data Interpretation System
Presumptive Testing	MBI-100, MBI-102, MBI-103	Blood, Seminal Fluid, Saliva, Urine	Refer to Method
Body Fluid Identification	MBI-102	Semen	Refer to Method

Discipline: Bloodstain Pattern Analysis			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Documentation <sup>2,3</sup>	MBPA-100	Physical Evidence	Refer to Method
Area of Origin Determination <sup>2,3</sup>	MBPA-100	Physical or Digital Evidence	Refer to Method
Bloodstain Pattern Determination <sup>2,3</sup>	MBPA-100	Physical or Digital Evidence	Refer to Method
Event Reconstruction	MBPA-100	Physical or Digital Evidence, Test Results, Records	Refer to Method

Discipline: Crime Scene Investigation			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Scene Documentation <sup>2,3</sup>	MCST-010, MCST-011, MCST-012	Location	Refer to Method
Enhancement <sup>1,2,3</sup>	Flexible Scope	Location and Physical Evidence	Visual, Digital, Physical, Chemical
Presumptive Testing <sup>1,2,3</sup>	Flexible Scope	Physical Evidence	Refer to Method
Collection <sup>2,3</sup>	MCST-004, MCST-005, MCST-006, MCST-007, MCST-008, MCST-009, MCST-011	Physical Evidence	Refer to Method



Event Reconstruction <sup>2,3</sup>	MCST-001	Physical Evidence, Testimonial Evidence, Records, Test Results	Refer to Method
Trajectory Determination <sup>2,3</sup>	MCST-001	Firearm, Firearm Components	Refer to Method

<b>Discipline: Digital Evidence</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Preservation <sup>1</sup>	Flexible Scope	Physical or Digital Evidence	Refer to Method
Acquisition/Extraction <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method
Analysis <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method
Authentication <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method
Reconstruction <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method
Comparison <sup>1</sup>	Flexible Scope	Digital Data	Refer to Method

<b>Discipline: Firearms and Toolmarks</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Physical Comparison	FA-110, FA-108, FA-106, FA-112, FA-113, FA-201, FA-114, FA-202, MFA-010, MFA-012, MFA-021	Firearm, Firearm Components, Toolmark, Toolmark Components	Comparison Microscope
Determination of Functionality	FA-106, FA-105, FA-107	Firearm	Refer to Method
Length Measurement	FA-108, FA-702	Firearm	Measuring Equipment
Serial Number Restoration	MFA-040	Firearm, Physical Evidence	Refer to Method
Trigger Pull Force Measurement	FA-107	Firearm	Refer to Method
Qualitative Chemical Determination	FA-005, FA-303, FA-301, FA-305, MFA-030, FA-304	Physical Evidence	Color Test
Product (Make/Model) Determination	FA-102	Firearm, Firearm Components	General Rifling Characteristics Database (GRC), Measuring Equipment

<b>Discipline: Friction Ridge</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Enhancement	MLP-001, MLP-002, LP-001, LP-004, LP-009, LP-019, LP-025, LP-035, LP-037, LP-038, LP-040, LP-043, LP-046, LP-047, LP-049, LP-050, LP-053	Patent, Latent, Plastic	Digital Imaging, Physical, Chemical
Physical Comparison	MLP-004, LP-048, LP-050, LP-052	Developed Patent, Latent or Plastic to Known, Unknown to Unknown	Digital Imaging
Individual Characteristic Database	MLP-004, LP-036, LP-050	Developed Patent, Latent or Plastic to Known, Unknown to Unknown	Automated Fingerprint Identification System (AFIS), Next Generation Identification (NGI), Midwest Automated Fingerprint Identification Network (MAFIN)

<b>Discipline: Seized Drugs</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Qualitative Determination <sup>1</sup>	Flexible Scope	Solid, Liquid, Botanical	Macroscopic Exam, Microscopic Exam, Color Spot Tests, Microcrystalline, Fluorescence Spectroscopy, Gas Chromatography, Mass Spectrometry, Infrared Spectroscopy
Quantitative Measurement	CH-204	Solid	High Performance Liquid Chromatography, Ultraviolet-Visible Spectroscopy
Weight Measurement <sup>1</sup>	Flexible Scope	Solid, Liquid, Botanical	Balance
Volume Measurement <sup>1</sup>	Flexible Scope	Liquid	Volumetric Glassware



**St. Cloud Forensic Science Laboratory**

101-11th Avenue North  
St. Cloud, Minnesota 56303

<b>Discipline: Seized Drugs</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Qualitative Determination <sup>1</sup>	Flexible Scope	Solid, Liquid, Botanical	Macroscopic Exam, Microscopic Exam, Color Spot Tests, Microcrystalline, Gas Chromatography, Mass Spectrometry, Infrared Spectroscopy
Weight Measurement <sup>1</sup>	Flexible Scope	Solid, Liquid, Botanical	Balance
Volume Measurement <sup>1</sup>	Flexible Scope	Liquid	Volumetric Glassware

Note 1: A flexible scope has been granted for this component/parameter or characteristic tested. ANAB has assessed the competence required to develop, validate, and perform quality assurance within this provided service. New or modified methods for the item(s) and equipment/technology(ies) listed in this row on the Scope of Accreditation may be introduced. New measurement principles, item(s), and technology(ies) will require evaluation by ANAB prior to granting a scope extension. Contact the forensic service provider for information on the specific test method in use at any point in time and utilized for accredited testing work.

Note 2: Field Testing: performance of testing task(s) at a location other than that listed on this scope of accreditation. Often, but not always, the location is not under the control of the forensic service provider.

Note 3: The forensic service provider performs these testing services both at the stated location and in the field.

  
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 Pamela L. Sale  
 Vice President, Forensics

