



ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO:
ISO/IEC 17025:2017

ANAB Forensic Testing & Calibration AR 3125:2019
FBI Quality Assurance Standards for Forensic DNA Testing Laboratories:2020
FBI Quality Assurance Standards for DNA Databasing Laboratories:2020

Minnesota Bureau of Criminal Apprehension
Forensic Science Services

FORENSIC TESTING

Expiry Date: 30 November 2023

Certificate Number: FT-0183

St. Paul Forensic Science Laboratory
1430 Maryland Avenue East
St. Paul, Minnesota 55106 USA

Table with 3 columns: Component/Parameter, Item, Key Equipment/Technology. Rows include DNA Profile Determination (Mitochondrial, Database Samples), Individual Characteristic Database, Physical Comparison, and Qualitative Determination.

Table with 3 columns: Component/Parameter, Item, Key Equipment/Technology. Row includes Field Sampling.



Area of Convergence/Origin Determination	Stain	Imaging
Bloodstain Pattern Classification	Stain	General Microscopy Visual
Reconstruction	Inspection/Test Result Other Information	Not Applicable

<b>Discipline: Digital and Video/Imaging Technology and Analysis</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Acquisition/Extraction	Digital Data	Software Program
Authentication	Digital Data	Software Program
Content Analysis	Digital Data	Software Program Visual

<b>Discipline: Fire Debris and Explosives</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Qualitative Determination	Explosive	Energy Dispersive Spectroscopy Gas Chromatography Infrared Spectroscopy Mass Spectrometry Scanning Electron Microscopy
Qualitative Determination	Fire Debris	Gas Chromatography Mass Spectrometry

<b>Discipline: Firearms and Toolmarks</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Function Evaluation	Firearm	Dead Weight Measuring Equipment Visual
Individual Characteristic Database	Ammunition	National Integrated Ballistic Information Network (NIBIN)
Physical Comparison	Ammunition Tool/Toolmark	General Microscopy Visual
Qualitative Determination	Ammunition Firearm Metal Nitrate	Chemical General Microscopy Measuring Equipment Reference Collection
Serial Number Restoration	Physical Item	Chemical General Microscopy Magnetic Visual

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

<b>Discipline: Impressions</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Enhancement	Footwear Tire	Chemical Physical Software Program
Physical Comparison	Footwear Tire	Software Program Visual
Qualitative Determination	Footwear Tire	Reference Collection

<b>Discipline: Materials (Trace)</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Chemical/Physical Comparison	Coating Fiber/Textile General Unknown Glass Hair Polymer Tape	Chemical Energy Dispersive Spectroscopy Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Measuring Equipment Microspectrophotometry Refractometry Scanning Electron Microscopy Visual
Qualitative Determination	Coating Fiber/Textile Filament General Unknown Glass Hair Polymer Tape	Chemical Energy Dispersive Spectroscopy Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Measuring Equipment Microspectrophotometry Reference Collection Refractometry Scanning Electron Microscopy Visual

<b>Discipline: Scene Investigation</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Field Sampling	Physical Item	Not Applicable
Enhancement	Physical Item	Chemical Physical
Qualitative Determination	Body Fluid Metal	Chemical
Reconstruction	Inspection/Test Result Other Information Physical Item Scene	Not Applicable
Trajectory Determination	Physical Item	Not Applicable

<b>Discipline: Seized Drugs</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Qualitative Determination	Botanical Liquid Solid	Chemical Fluorescence Spectroscopy Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Microcrystalline Raman Spectroscopy Visual
Quantitative Measurement	Botanical Liquid Solid	Liquid Chromatography Ultra violet Spectroscopy Visible Spectroscopy
Volume Measurement	Liquid	Volumetric Glassware
Weight Measurement	Botanical Liquid Solid	Balance

<b>Discipline: Toxicology</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Qualitative Determination	Ante-Mortem Biological Item Post-Mortem Biological Item	Gas Chromatography Immunoassay Liquid Chromatography Mass Spectrometry
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item Liquid Post-Mortem Biological Item	Gas Chromatography

Quantitative Measurement	Ante-Mortem Biological Item Post-Mortem Biological Item	Gas Chromatography Liquid Chromatography Mass Spectrometry
Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item Liquid Post-Mortem Biological Item	Gas Chromatography

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<b>Discipline: Biology</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
DNA Profile Determination	Short Tandem Repeat (STR)	Capillary Electrophoresis
Physical Comparison	DNA Profile	Software Program
Qualitative Determination	Body Fluid	Chemical Fluorescence Spectroscopy General Microscopy Immunoassay

<b>Discipline: Bloodstain Pattern Analysis</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Field Sampling	Physical Item	Not Applicable
Area of Convergence/Origin Determination	Stain	Imaging
Bloodstain Pattern Classification	Stain	General Microscopy Visual
Reconstruction	Inspection/Test Result Other Information	Not Applicable

<b>Discipline: Digital and Video/Imaging Technology and Analysis</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Acquisition/Extraction	Digital Data	Software Program
Authentication	Digital Data	Software Program
Content Analysis	Digital Data	Software Program Visual

<b>Discipline: Firearms and Toolmarks</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Function Evaluation	Firearm	Dead Weight Measuring Equipment Visual
Physical Comparison	Ammunition Tool/Toolmark	General Microscopy Visual
Qualitative Determination	Ammunition Firearm Metal Nitrate	Chemical General Microscopy Measuring Equipment Reference Collection
Serial Number Restoration	Physical Item	Chemical General Microscopy Magnetic Visual

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

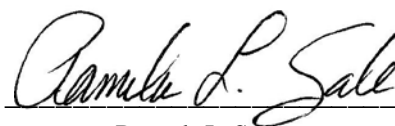
<b>Discipline: Scene Investigation</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Field Sampling	Physical Item	Not Applicable
Enhancement	Physical Item	Chemical Physical
Qualitative Determination	Body Fluid Metal	Chemical
Reconstruction	Inspection/Test Result Other Information Physical Item Scene	Not Applicable
Trajectory Determination	Physical Item	Not Applicable

Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Liquid Solid	Chemical Fluorescence Spectroscopy Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Microcrystalline Visual
Quantitative Measurement	Botanical Liquid Solid	Liquid Chromatography Ultra violet Spectroscopy Visible Spectroscopy
Volume Measurement	Liquid	Volumetric Glassware
Weight Measurement	Botanical Liquid Solid	Balance

**St. Cloud Forensic Science Laboratory**  
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Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Liquid Solid	Chemical Gas Chromatography General Microscopy Mass Spectrometry Microcrystalline Visual
Volume Measurement	Liquid	Volumetric Glassware
Weight Measurement	Botanical Liquid Solid	Balance

When published on a forensic service provider's Scope of Accreditation, ANAB has confirmed the competence required to develop and validate methods and perform on-going quality assurance for accredited activities. For a listed component/parameter, the forensic service provider may add or modify methods for activities without formal notice to ANAB for items and key equipment/technology listed. Contact the forensic service provider for information on the method utilized for accredited work.



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