



ANSI National Accreditation Board

**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: 2020
FBI Quality Assurance Standards for DNA Databasing Laboratories: 2020**

**Kentucky State Police
Division of Forensic Services**

See locations listed below

FORENSIC TESTING

Expiry Date: 30 September 2028 Certificate Number: FT-0345

Central Laboratory Branch
100 Sower Boulevard, Suite 102
Frankfort, Kentucky 40601 USA

Discipline: Biology		
Component/Parameter	Item	Key Equipment/Technology
DNA Profile Determination	Short Tandem Repeat (STR) Y-Short Tandem Repeat (Y-STR)	Capillary Electrophoresis
DNA Profile Determination (Database Samples)	Short Tandem Repeat (STR) 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	Chemical General Microscopy

Discipline: Rapid DNA		
Component/Parameter	Item	Key Equipment/Technology
DNA Profile Development	Short Tandem Repeat (STR)	Capillary Electrophoresis

Discipline: Fire Debris and Explosives		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Fire Debris	Gas Chromatography Mass Spectrometry

Discipline: Firearms and Toolmarks		
Component/Parameter	Item	Key Equipment/Technology
Function Evaluation	Firearm	Visual
Physical Comparison	Ammunition Tool/Toolmark	General Microscopy Visual
Qualitative Determination	Ammunition Firearm	General Microscopy Reference Collection
Serial Number Restoration	Physical Item	Chemical

Discipline: Materials (Trace)		
Component/Parameter	Item	Key Equipment/Technology
Chemical/Physical Comparison	Adhesive Coating Fiber/Textile Fractured Item General Unknown Glass Hair Polymer Tape	Chemical Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Microspectrophotometry Scanning Electron Microscopy Thin Layer Chromatography Ultraviolet Spectroscopy X-ray Fluorescence Spectroscopy
Qualitative Determination	Adhesive Coating Fiber/Textile Filament General Unknown Glass Gunshot Residue Hair Polymer Tape	Energy Dispersive Spectroscopy Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Microspectrophotometry Reference Collection Scanning Electron Microscopy Ultraviolet Spectroscopy Visible Spectroscopy X-ray Fluorescence Spectroscopy

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

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

Central Laboratory Branch
1266 Louisville Road
Frankfort, Kentucky 40601 USA

Discipline: Friction Ridge		
Component/Parameter	Item	Key Equipment/Technology
Field Sampling	Physical Item	Not Applicable
Enhancement	Ridge Detail	Chemical Physical Software Program
Individual Characteristic Database	Ridge Detail	Next Generation Identification System (NGI)
Physical Comparison	Ridge Detail	Software Program Visual

Eastern Laboratory Branch
 1550 Wolohan Drive, Suite 2
 Ashland, Kentucky 41102 USA

Discipline: Firearms and Toolmarks		
Component/Parameter	Item	Key Equipment/Technology
Function Evaluation	Firearm	Visual
Physical Comparison	Ammunition Tool/Toolmark	General Microscopy Visual
Qualitative Determination	Ammunition Firearm	General Microscopy Reference Collection
Serial Number Restoration	Physical Item	Chemical

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

Discipline: Toxicology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography
Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography

Jefferson Laboratory Branch
3600 Chamberlain Lane, Suite 410
Louisville, Kentucky 40241 USA

Discipline: Biology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Body Fluid	Chemical General Microscopy

Discipline: Rapid DNA		
Component/Parameter	Item	Key Equipment/Technology
DNA Profile Development	Short Tandem Repeat (STR)	Capillary Electrophoresis

Discipline: Firearms and Toolmarks		
Component/Parameter	Item	Key Equipment/Technology
Function Evaluation	Firearm	Visual
Physical Comparison	Ammunition Tool/Toolmark	General Microscopy Visual
Qualitative Determination	Ammunition Firearm	General Microscopy Reference Collection
Serial Number Restoration	Physical Item	Chemical

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

Discipline: Toxicology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography
Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography

Northern Laboratory Branch
5690 East Alexandria Pike
Cold Spring, Kentucky 41076 USA

Discipline: Biology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Body Fluid	Chemical General Microscopy

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

Discipline: Toxicology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography
Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography

Southeastern Laboratory Branch

1001 West 5th Street
 London, Kentucky 40741 USA

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

Discipline: Toxicology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography
Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography

Western Laboratory Branch

4415 Hanson Road
 Madisonville, Kentucky 42431 USA

Discipline: Biology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Body Fluid	Chemical General Microscopy

Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Liquid Solid	Chemical Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Visual
Volume Measurement	Liquid	Volumetric Glassware

Weight Measurement	Botanical Liquid Solid	Balance
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Discipline: Toxicology - General Testing		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography
Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item	Gas Chromatography

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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