



# ANSI National Accreditation Board

## SCOPE OF ACCREDITATION TO: ISO/IEC 17025:2005

**ANAB 17025:2005 Forensic Science Testing Laboratories Accreditation Requirements:2017  
FBI Quality Assurance Standards for Forensic Testing Laboratories:2011**

### **Bexar County Criminal Investigation Laboratory**

7337 Louis Pasteur  
San Antonio, Texas 78229

### **FORENSIC TESTING**

Valid to: January 31, 2023

Certificate Number: FT-0077

<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>
Body Fluid Identification	Serology/DNA SOP	Blood, Saliva, Semen	Refer to Method
DNA-STR	Flexible Scope <sup>1</sup>	Blood, Saliva, Hair, Bone, Teeth, Semen, Epithelial Cells	Robotic System, Organic Extraction, Capillary Electrophoresis, Real-time PCR, Data Interpretation System
DNA-YSTR	Flexible Scope <sup>1</sup>	Blood, Saliva, Hair, Bone, Teeth, Semen, Epithelial Cells	Robotic System, Organic Extraction, Capillary Electrophoresis, Real-time PCR, Data Interpretation System
Relationship Testing	Flexible Scope <sup>1</sup>	Blood, Saliva, Hair, Bone, Teeth, Epithelial Cells	Robotic System, Organic Extraction, Capillary Electrophoresis, Real-time PCR, Data Interpretation System
Individual Characteristic Database	Serology/DNA SOP	DNA Profiles	Combined DNA Index System (CODIS)



<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	Firearms SOP	Firearm, Firearms Components, Toolmark, Toolmark Components	Comparison Microscope, Calipers
Determination of Functionality	Firearms SOP	Firearm	Refer to Method
Length Measurement	Firearms SOP	Firearm	Refer to Method
Serial Number Restoration	Firearms SOP	Firearm	Refer to Method
Trigger Pull Force Measurement	Firearms SOP	Firearm	Refer to Method
Distance Determination	Trace SOP	Physical Evidence	Refer to Method
Product (Make/Model) Determination	Firearms SOP	Firearm, Firearm Components	General Rifling Characteristics (GRC)

<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	Firearms SOP	Footwear /Tire Impression	Visual, Photography, Physical, Chemical
Physical Comparison	Firearms SOP	Footwear /Tire Impression	Refer to Method

<b>Discipline: Gunshot Residue</b>			
<b>Component/Parameter or Characteristic Tested</b>	<b>Test Method</b>	<b>Items Tested</b>	<b>Key Equipment or Technology</b>
Collection	Trace SOP	Physical Evidence	Refer to Method
Qualitative Determination	Trace SOP	Gunshot Residue	Scanning Electron Microscopy (SEM), Energy Dispersive Spectroscopy (EDS)



<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>
Collection	Trace SOP	Physical Evidence	Refer to Method
Physical Determination	Flexible Scope <sup>1</sup>	Fiber/Textiles, Hair, Paint, General Unknowns	Polarized Light and Scanning Electron Microscopy (SEM), Energy Dispersive (EDS) and Infrared (IR) Spectroscopy, Gas Chromatography Mass Spectrometry, Microspectrophotometry
Chemical Determination	Flexible Scope <sup>1</sup>	Fiber/Textiles, Hair, Paint, General Unknowns	Polarized Light and Scanning Electron Microscopy (SEM), Energy Dispersive (EDS) and Infrared (IR) Spectroscopy, Gas Chromatography Mass Spectrometry, Microspectrophotometry
Physical/Chemical Comparison	Trace SOP	Fiber/Textiles, Hair, Paint, General Unknowns	Polarized Light and Scanning Electron Microscopy (SEM), Energy Dispersive (EDS) and Infrared Spectroscopy, Gas Chromatography Mass Spectrometry, Microspectrophotometry

<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	Flexible Scope <sup>1</sup>	Solid, Liquid, Botanical	Macroscopic and Microscopic Exam, Melting Point, Color Spot Tests, Thin Layer and Gas Chromatography, Mass Spectrometry
Quantitative Measurement	Flexible Scope <sup>1</sup>	Solid, Liquid, Botanical	Gas Chromatography
Weight Measurement	Drug ID SOP	Solid, Liquid, Botanical	Balance
Volume Measurement	Drug ID SOP	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.



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