



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

San Diego Police Department Crime Laboratory

1401 Broadway
San Diego, California 92101

FORENSIC TESTING

Valid to: December 31, 2021

Certificate Number: FT-0233

Discipline: Biology			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Body Fluid Identification	Phenolphthalein, Leucomalachite Green, Luminol, HemaTrace, 2-step AP, 1-step AP, Abacus p30, Microscopy, Phadebas	Blood, Semen/Seminal Fluid, Saliva	Refer to Method
DNA-STR ¹	Flexible Scope	Blood, Saliva, Semen/Seminal Fluid, Hair, Bone, Epithelial Cells	Robotic Extraction, Real Time PCR, Capillary Electrophoresis, Data Interpretation System
DNA-YSTR ¹	Flexible Scope	Blood, Saliva, Semen/Seminal Fluid, Hair, Bone, Epithelial Cells	Robotic Extraction, Real Time PCR, Capillary Electrophoresis, Data Interpretation System
Relationship Testing ¹	Flexible Scope	Blood, Saliva, Semen/Seminal Fluid, Hair, Bone, Epithelial Cells	Robotic Extraction, Real Time PCR, Capillary Electrophoresis, Data Interpretation System
Individual Characteristic Database	CODIS	Blood, Saliva, Semen/Seminal Fluid, Hair, Bone, Epithelial Cells	Combined DNA Index System (CODIS)



Discipline: Bloodstain Pattern Analysis			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Pattern Identification ^{2,3}	Bloodstain Patterns	Bloodstains, Physical Evidence and Digital Images	Rulers, Oculars, Stringing, Lasers
Area of Convergence/Origin Determination ^{2,3}	Bloodstain Patterns	Digital and Physical Items	Measuring Equipment

Discipline: Crime Scene Investigation			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Collection ^{2,3}	Crime Scene Unit Manual Sections: 3.0, 3.22, 3.23, and 4.2-4.9	Physical Evidence	Refer to Method
Enhancement ^{2,3}	Crime Scene Unit Manual Sections: 2.3, 2.4, 3.0.1-3.21, and 4.1.1-4.2.3	General Evidence	Photography, Chemicals, Powders, Casting
Scene Documentation ²	Crime Scene Unit Manual Sections: 4.1-4.1.2 and 5.0-5.2	Location	Photography, Measuring Equipment, Notes
Shooting Incident Reconstruction ^{2,3}	Firearms Trajectory Reconstruction	Bullet Holes, Strike Marks	Refer to Method
Presumptive Testing	Luminol Detection of Latent Bloodstains, Phenolphthalein Presumptive Test for Blood, One-Step Seri AP Spot Test Detection of Acid Phosphatase, Sodium Rhodizonate Test Procedures and Reagent Preparation	Body Fluids, Metals, Lead	Chemical Tests

Discipline: Digital Evidence			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Acquisition/Extraction ¹	Flexible Scope	Mobile Devices, Flash Memory	Hash Software, Write-Blocker, Analog Hardware
Analysis ¹	Flexible Scope	Mobile Devices, Flash Memory	Play Back Software

Discipline: Document Examination			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Physical Comparison	Altered Documents, Handwriting	Documents	Visual, Digital, Microscopy
Imaging	Handwriting, Indented Writing	Indented or Altered Documents and Records	Video Spectral Comparator, Electrostatic Detection Apparatus, Stereo Microscope, Alternate Light Source, Magnifiers

Discipline: Firearms and Toolmarks			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Physical Comparison	Comparison Protocol	Firearm, Firearm Components, Ammunition Components	Comparison Microscope, Stereo Microscope, Calipers
Determination of Functionality	Operability	Firearm	Refer to Method
Product (Make/Model) Determination	Class Characteristic Determinations	Bullets	General Rifling Characteristics
Length Measurement	Barrel Length and Overall Length of Firearms	Firearm	Refer to Method
Serial Number Restoration	Serial Number Restoration	Firearm	Stereo Microscope, Chemical, Mechanical
Trigger Pull Measurement	Trigger Pull Examination	Firearm	Trigger Pull Force Gauge
Qualitative Chemical Determination	Gunshot Residue Pattern Distance Determinations	Physical Evidence	Color Tests
Individual Characteristics Database	Integrated Ballistics Identification System Protocol	Cartridge Cases	National Integrated Ballistic Information Network (NIBIN)
Distance Determination	Gunshot Residue Pattern Distance Determination	Physical Evidence, Firearm, Firearm Components	Refer to Method

Discipline: Fire Debris and Explosives			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Qualitative Determination	Fire Debris Analysis, Explosive Analysis	Ignitable Liquids, Explosives, Fire Debris	Polarized Light Microscopy, Gas Chromatography, Mass Spectrometry, Thin Layer Chromatography, Infrared Spectroscopy, Scanning Electron Microscope

Discipline: Friction Ridge			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Collection	Recovery and Recording of Friction Ridge Skin	Known Exemplars	Visual, Photography, Physical, Chemical
Physical Comparison	ACE-V Process (Analysis, Comparison, Evaluation, Verification)	Developed Latent or Patent	Refer to Method
Individual Characteristic Database	ACE-V Process (Analysis, Comparison, Evaluation, Verification)	Developed Latent or Patent	Automated Fingerprint Identification System (AFIS), Automated Latent Print System (ALPS)

Discipline: Footwear/Tire			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Enhancement	Impression Evidence Examinations	Footwear/Tire Impression	Visual (Photoshop), Photography, Physical, Chemical, Casting
Physical Comparison	Impression Evidence Examinations	Footwear/Tire Impression	Refer to Method
Product (Make /Model) Determination	Impression Evidence Examinations	Footwear/Tire Impression	Reference Material Search

Discipline: Gunshot Residue			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Qualitative Determination	GSR Analysis	Gunshot Residue	Scanning Electron Microscope-Energy Dispersive Spectroscopy

Discipline: Materials (Trace)			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Physical Determination/Comparison	General Analysis, Fiber Analysis, Hair Analysis, Paint Analysis	Fibers/Textiles, Hair, Paint, Solids, Liquids, Tape	Polarized Light Microscopy, Stereo Microscope, Comparison Microscope, Scanning Electron Microscope-Energy Dispersive Spectroscopy, Gas Chromatography,

			Mass Spectrometry, Infrared Spectroscopy
Physical Match	Physical Match Analysis	Physical Evidence	Stereo Microscope, Casting Materials

Discipline: Seized Drugs			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Qualitative Determination ¹	Flexible Scope	Solid, Liquid, Botanical	Macroscopic/Microscopic Exam, Color Tests, Microcrystal Tests with Polarized Light Microscopy, Raman Spectroscopy, Gas Chromatography/Mass Spectrometry, Pill Identification Reference
Weight Measurement	Net or Gross Weight	Solid, Botanical	Balance

Discipline: Toxicology			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Quantitative Measurement for Ethanol ¹	Flexible Scope	Peri-mortem Blood, Urine	Pipettor/Dilutor, Headspace, Gas Chromatography, Flame Ionization Detector

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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