

A Notice to Our Customers

When submitting evidence to the Johnson County Sheriff's Office Criminalistics Laboratory (JCCL), unless otherwise specified by the agency, the JCCL will select the most appropriate method for the examination. Below you will find a summarized list of the methods employed by the JCCL.

Biology/DNA:

- Serology including phenolphthalein, Hematrace, luminol, leucocrystal violet, p30, acid phosphatase, microscopic examination (christmas tree stain and Sperm Hy-liter), amylase, urea, creatinine, and urobilinogen);
- Alternate Light Source;
- DNA Extraction (Organic Extraction and Maxwell 16 – DNA IQ Extraction);
- DNA Quantification (human and male)
- PCR DNA analysis including STRs (Identifiler Plus) and Y-STRs (Yfiler);
- ABI Prism 310 or 3500 Genetic Analyzer;
- DNA data analysis (GeneMapper ID-X)
- CODIS

Crime Scene Unit:

- Photography (digital, ultraviolet, and infrared; Adobe Photoshop digital image clarifications);
- Shooting Incident Reconstruction including presumptive lead testing;
- GPS Data Collection;
- Computer Diagramming and 3D Laser Scanning (Leica ScanStation C10);
- Presumptive Tests for biological materials (full list available upon request);
- Chemical Development/Processing Methods for biological materials (full list available upon request);
- Alternate Light Source;
- Fingerprint Processing including RUVIS examinations;
- Metal Detection;
- Casting Media (fingerprints, footwear, and impression evidence);
- Persons Processing and Morgue Response;
- Liquid Latex for visualization of evidence on soot covered items.

Controlled Substances:

- Color Tests (full list available upon request);
- Thin-Layer Chromatography;
- Gas Chromatography/Mass Spectrometry;
- Fourier Transform Infrared Spectroscopy.

Digital/Multimedia Evidence:

- AVID Non-linear Editor;
- Sony Vegas Non-linear Editor;
- Adobe Premier Pro;
- Video Focus Source;
- Photoshop;
- Screen Capture programs (i.e. SnagIt);
- Forensic Write Blockers;

Firearms/Toolmarks:

- Microscopy (Comparison);
- Test Firing/Function Testing;
- Barrel/Firearm Length Measurement;
- Gunshot Residue/Distance Determinations
- NIBIN;
- Chemical Serial Number Restoration (full list of reagents available upon request);
- Casting Media (i.e. Mikrosil).

Latent Prints and Footwear/Tiretracks:

- Chemical Processing Methods (including Powders and Superglue Fuming, full list available upon request);
- Alternate Light Sources (Crimescope, TracER Forensic Laser);
- Digital Image Collection;
- Reflected Ultraviolet Imaging System (RUVIS);
- AFIS (Kansas and Missouri);
- IAFIS (FBI).

Toxicology (Blood Alcohol Concentration only)

- Gas Chromatography/Flame Ionization Detector.

Trace Evidence:

- Microchemical Tests (full list available upon request);
- Microscopy (Brightfield, Polarized Light, Fluorescence, Comparison);
- Thin-Layer Chromatography;
- Alternate Light Sources (UV light, CrimeScope);
- Pyrolysis and regular Gas Chromatography/Mass Spectrometry;
- Fourier Transform Infrared Spectroscopy;
- Glass Refractive Index Measuring System;
- Microspectrophotometry;
- X-Ray Fluorescence Spectrometry;
- Scanning Electron Microscopy.