

**Acadiana Criminalistics Laboratory**  
**Scope of Accreditation**  
**FQSI-Acadiana CL-005**

**1.0 Materials Examined**

| <b>Category</b> | <b>Sub Category</b>  | <b>Analytical Technique (See 2.0)</b>                        |
|-----------------|--|--|
| 1.1 Drugs       | 1.1.1 Controlled Pharmaceutical and Illicit Drugs, related chemicals and paraphernalia | 2.1.1, 2.1.2, 2.2.1, 2.3.2, 2.4.3.1, 2.4.3.2, 2.7.1, and 2.8 |
|                 | 1.1.2 Botanical Material   | 2.1.2, 2.3.2, 2.4.3.1, 2.4.3.2, 2.7.1, and 2.8               |
| 1.2 Flammables  | 1.2.1 Recovery   | 2.8  |
|                 | 1.2.2 Identification   | 2.2.1, 2.3.2 and 2.8   |
| 1.3 Toxicology  | 1.3.1 Alcohol testing in blood/vitreous humor  | 2.2.1, 2.4.3.2, and 2.8                                      |
|                 | 1.3.2 Alcohol testing in liquid  | 2.2.1, 2.4.3.2, and 2.8                                      |
| 1.4 Biology     | 1.4.1 Biological screening   | 2.1.1, 2.7.1 and 2.8   |
|                 | 1.4.2 DNA-Y-STR  | 2.5, 2.6.1, 2.6.2 and 2.8                                    |
|                 | 1.4.3 CODIS  | 2.6.1 and 2.8  |
| 1.5 Firearms    | 1.5.1 Firearms Identification and Examination  | 2.4, 2.7.1 and 2.8   |
|                 | 1.5.2 Toolmarks  | 2.4, 2.7.1, and 2.8  |
|                 | 1.5.3 Filament   | 2.4.3, 2.7.1 and 2.8   |
|                 | 1.5.4 Distance Determination   | 2.1.1, 2.4.3, 2.7.1, and 2.8                                 |
|                 | 1.5.5 NIBIN  | 2.4, 2.7.1, and 2.8  |
|                 | 1.5.6 Serial Number Restoration  | 2.7.1 and 2.8  |
| 1.6 Trace       | 1.6.1 Hair   | 2.7.1 and 2.8  |
|                 | 1.6.2 Fiber  | 2.1.2, 2.2.1, 2.3.1, 2.4.3.2, 2.4.4, 2.7.1 and 2.8           |
|                 | 1.6.3 Glass  | 2.1.2, 2.4.3.2, 2.7.1, and 2.8                               |
|                 | 1.6.4 Impressions  | 2.4.4, 2.7.1, and 2.8  |
|                 | 1.6.5 Fracture Matches   | 2.4.1, 2.4.2, 2.4.3.2, 2.4.4, 2.7.1, and 2.8                 |
|                 | 1.6.6 Paint and coatings, plastics and polymers  | 2.1.2, 2.2.1, 2.3.1, 2.7.1, and 2.8                          |

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**2.0 Analytical Technique/Test Method**

|   |
|---|
| 2.1 Chemical Screening Tests<br>2.1.1 Color tests<br>2.1.2 Microchemical  |
| 2.2 Chromatography<br>2.2.1 GC  |
| 2.3 Spectroscopy<br>2.3.1 Infrared<br>2.3.2 Mass Spectrometry   |
| 2.4 Physical Examination<br>2.4.1 Striation comparison<br>2.4.2 Physical reconstruction<br>2.4.3 Other physical examination<br>2.4.3.1 Weighing<br>2.4.3.2 Other physical measurements<br>2.4.4 Pattern Comparison, Pattern Recognition |
| 2.5 Electrophoresis<br>2.5.1 Capillary electrophoresis<br>2.5.2 Other electrophoresis   |
| 2.6 DNA<br>2.6.1 PCR<br>2.6.2 Y-STR   |
| 2.7 Microscopy<br>2.7.1 Optical   |
| 2.8 General Laboratory Procedures   |