

**Fresno County Sheriff's Department Crime Laboratory**  
**Scope of Accreditation**  
**08-FQS-I-02**

**Field of Testing: Forensic Testing**

**Materials**

<b>Category</b>	<b>Sub Category</b>	<b>Analytical Techniques*</b>
Biology	<ul style="list-style-type: none"> <li>• DNA in forensic casework</li> </ul>	<ul style="list-style-type: none"> <li>• 2.1.1, 2.2, 3.1, 6.0</li> </ul>
Firearms	<ul style="list-style-type: none"> <li>• Firearms</li> </ul>	<ul style="list-style-type: none"> <li>• 4.1, 4.3, 5.1, 6.0</li> </ul>
	<ul style="list-style-type: none"> <li>• Ammunition</li> </ul>	<ul style="list-style-type: none"> <li>• 4.1, 4.2, 5.1, 6.0</li> </ul>
	<ul style="list-style-type: none"> <li>• Toolmarks</li> </ul>	<ul style="list-style-type: none"> <li>• 4.1, 4.2, 5.1, 6.0</li> </ul>
	<ul style="list-style-type: none"> <li>• Gunshot residue</li> </ul>	<ul style="list-style-type: none"> <li>• 1.1, 6.0</li> </ul>

**\*Analytical Techniques**

1.0 Chemical Screening Tests 1.1 Color
2.0 Genetic Analysis 2.1 DNA-PCR 2.1.1 Autosomal STR 2.2 Data analysis
3.0 Electrophoresis 3.1 Capillary
4.0 Physical Examination 4.1 Physical measurements (e.g., length, volume, etc.) 4.2 Striation/impression/mark comparison 4.3 Performance evaluation 4.4 Database comparison
5.0 Microscopy 5.1 Optical
6.0 General laboratory procedures