

**ISP-Southern Illinois Forensic Science Laboratory**  
**Scope of Accreditation**  
**07-FQS-I-09-SIFSL**

**Field of Testing:**     **Forensic Testing**

**Materials Tested**

<b>Category</b>	<b>Sub Category</b>	<b>Analytical Techniques</b>
Controlled Substances	<ul style="list-style-type: none"> <li>• Controlled and non-controlled pharmaceuticals and illicit drugs <ul style="list-style-type: none"> <li>○ Related chemicals and paraphernalia</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 1.2, 2.1, 2.2, 3.1, 3.2.1, 3.3, 6.1, 6.2, 6.4</li> </ul>
	<ul style="list-style-type: none"> <li>• Botanical material</li> </ul>	<ul style="list-style-type: none"> <li>• 1.2, 2.1, 2.2, 3.2.1, 5.1, 6.1, 6.2, 6.4</li> </ul>
Biology	<ul style="list-style-type: none"> <li>• Biological screening (body fluid id)</li> </ul>	<ul style="list-style-type: none"> <li>• 1.1, 1.2, 4.1, 5.1, 6.4</li> </ul>
	<ul style="list-style-type: none"> <li>• DNA analysis in forensic casework</li> </ul>	<ul style="list-style-type: none"> <li>• 6.4, 7.1.1, 7.1.2, 7.1.3, 7.2, 7.3, 8.1</li> </ul>
Latent Prints	<ul style="list-style-type: none"> <li>• Development</li> </ul>	<ul style="list-style-type: none"> <li>• 1.2, 1.3, 6.4</li> </ul>
	<ul style="list-style-type: none"> <li>• Comparison</li> </ul>	<ul style="list-style-type: none"> <li>• 4.5, 4.6, 5.1, 6.4</li> </ul>
	<ul style="list-style-type: none"> <li>• Database <ul style="list-style-type: none"> <li>○ AFIS</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 4.4, 6.4</li> </ul>
Trace Materials/Microscopy	<ul style="list-style-type: none"> <li>• Hairs and Fibers <ul style="list-style-type: none"> <li>○ Hairs</li> <li>○ Fibers</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 1.4, 3.1, 3.4, 4.1, 4.2, 5.1, 6.4</li> </ul>
	<ul style="list-style-type: none"> <li>• Miscellaneous <ul style="list-style-type: none"> <li>○ Footwear/tire track</li> <li>○ Physical match</li> <li>○ Misc. materials</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 1.2, 1.3, 1.4, 3.1, 3.4, 4.1, 4.2, 4.5, 5.1, 6.4</li> </ul>

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**Analytical Techniques**

1.0 Screening Tests
1.1 Immunoassay
1.2 Color
1.3 Other chemical tests
1.4 Solubility
2.0 Chromatography
2.1 Gas Chromatography
2.2 Thin Layer Chromatography
3.0 Spectroscopy
3.1 Infrared
3.2 Mass spectroscopy
3.2.1 GC/MS
3.3 Polarimeter
3.4 Microspectrophotometer
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 Population database comparison
4.5 Pattern recognition
4.6 Friction ridge analysis
5.0 Microscopy
5.1 Optical
5.2 SEM
6.0 General laboratory procedures
6.1 Weighing/mass/force determination
6.2 Sampling
6.3 Quantitation
6.4 General laboratory techniques
7.0 Genetic Analysis
7.1 DNA-PCR
7.1.1 Autosomal STR
7.1.2 Y STR
7.1.3 Quantitation
7.2 Data analysis
7.3 Database comparison
8.0 Electrophoresis
8.1 Capillary