

ISP-Joliet Forensic Science Laboratory
Scope of Accreditation
07-FQS-I-09-JFSL

Field of Testing: Forensic Testing

Materials Tested

Category	Sub Category	Analytical Techniques
Controlled Substances	<ul style="list-style-type: none"> • Controlled and non-controlled pharmaceuticals and illicit drugs <ul style="list-style-type: none"> ○ Related chemicals and paraphernalia 	<ul style="list-style-type: none"> • 1.2, 2.1, 2.2, 3.1, 3.2.1, 3.3, 3.4, 4.1, 5.1, 6.1, 6.2, 6.3, 6.4
	<ul style="list-style-type: none"> • Botanical material 	<ul style="list-style-type: none"> • 1.2, 2.1, 2.2, 3.2.1, 5.1, 6.1, 6.2, 6.4
Biology	<ul style="list-style-type: none"> • Biological screening (body fluid stain id) 	<ul style="list-style-type: none"> • 1.1, 1.2, 4.1, 5.1, 6.4
	<ul style="list-style-type: none"> • DNA analysis in forensic casework 	<ul style="list-style-type: none"> • 6.3, 6.4, 7.1.1, 7.1.2, 7.1.3, 7.2, 7.3, 8.1
Firearms/Toolmarks	<ul style="list-style-type: none"> • Firearms 	<ul style="list-style-type: none"> • 4.1, 4.3, 5.1, 6.1, 6.4
	<ul style="list-style-type: none"> • Ammunition 	<ul style="list-style-type: none"> • 4.1, 4.2, 5.1, 6.1, 6.4
	<ul style="list-style-type: none"> • Toolmarks 	<ul style="list-style-type: none"> • 4.1, 4.2, 5.1, 6.4
	<ul style="list-style-type: none"> • Physical security device 	<ul style="list-style-type: none"> • 4.1, 4.2, 5.1, 6.4
	<ul style="list-style-type: none"> • Database <ul style="list-style-type: none"> ○ NIBIN 	<ul style="list-style-type: none"> • 4.2, 4.4, 5.1
	<ul style="list-style-type: none"> • Distance determination 	<ul style="list-style-type: none"> • 4.1, 4.5, 1.2, 6.4
	<ul style="list-style-type: none"> • Serial number restoration 	<ul style="list-style-type: none"> • 1.3, 5.1, 6.4
Latent Prints	<ul style="list-style-type: none"> • Development 	<ul style="list-style-type: none"> • 1.2, 1.3, 6.4
	<ul style="list-style-type: none"> • Comparison 	<ul style="list-style-type: none"> • 4.5, 4.6, 5.1, 6.4
	<ul style="list-style-type: none"> • Database <ul style="list-style-type: none"> ○ AFIS 	<ul style="list-style-type: none"> • 4.4, 6.4
Trace - Flammables	<ul style="list-style-type: none"> • Recovery 	<ul style="list-style-type: none"> • 6.4
	<ul style="list-style-type: none"> • Identification 	<ul style="list-style-type: none"> • 1.2, 1.4, 2.1, 3.1, 3.2.1, 4.5, 6.4
Trace Materials	<ul style="list-style-type: none"> • Chemistry <ul style="list-style-type: none"> ○ Explosives ○ Paints and polymers 	<ul style="list-style-type: none"> • 1.2, 1.3, 1.4, 2.1, 2.2, 3.1, 3.2.1, 3.4, 3.5, 3.6, 4.1, 4.2, 4.5, 5.1, 6.1, 6.2, 6.4
	<ul style="list-style-type: none"> • Miscellaneous <ul style="list-style-type: none"> ○ Glass ○ Physical Match ○ Footwear/Tire Track ○ Other 	<ul style="list-style-type: none"> • 1.2, 1.3, 1.4, 2.1, 2.2, 3.1, 3.2.1, 3.4, 3.5, 3.6, 4.1, 4.2, 4.4, 4.5, 5.1, 6.1, 6.2, 6.4

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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 Polarimetry
3.4 UV/visible
3.5 X-ray diffraction/fluorescence
3.6 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
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 Population database comparison
8.0 Electrophoresis
8.1 Capillary