

ISP-Morton Forensic Science Laboratory
Scope of Accreditation
07-FQS-I-09-MFSL

Field of Testing: Forensic Testing

Materials Tested

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

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Analytical Techniques

1.0 Screening Tests
1.1 Immunoassay
1.2 Color
1.3 Other chemical tests
2.0 Chromatography
2.1 Gas Chromatography
2.2 Thin Layer Chromatography
2.3 Liquid Chromatography
3.0 Spectroscopy
3.1 Infrared
3.2 Mass spectroscopy
3.2.1 GC/MS
3.3 Polarimetry
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 Quantitation
7.2 Data analysis
7.3 Database comparison
8.0 Electrophoresis
8.1 Capillary