ISP-Forensic Science Center at Chicago
Scope of Accreditation
07-FQS-I-09-FSC

Field of Testing: Forensic Testing
Materials Tested

Category	Sub Category	Analytical Techniques
Controlled Substances	Controlled and non-controlled pharmaceuticals and illicit drugs o Related chemicals and paraphernalia	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
	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, 7.1.3, 7.2, 7.3, 8.1
Firearms/Toolmarks	• Firearms	• 4.1, 4.3, 5.1, 6.1, 6.4
	• Ammunition	• 4.1, 4.2, 5.1, 6.1, 6.4
	• Toolmarks	• 4.1, 4.2, 5.1, 6.4
	• Database o NIBIN	• 4.2, 4.4, 5.1, 6.4
	• Distance determination	• 4.1, 4.5, 1.2, 6.4
	• Serial number restoration	• 1.3, 5.1, 6.4
	• Footwear/Tiretracks	• 4.1, 4.2, 4.5, 5.1, 6.4
Latent Prints	• Development	• 1.2, 1.3, 6.4
	• Comparison	• 4.5, 4.6, 5.1, 6.4
	• Database o AFIS	• 4.4, 6.4
Trace Flammables	• Recovery	• 6.4
	• Identification	• 1.4, 2.1, 3.1, 3.2.1, 4.5, 6.4
Trace Materials	• Chemistry o Explosives o Paints and polymers o Primer GSR o Misc. unknowns	• 1.2, 1.3, 1.4, 2.1, 3.1, 3.2.1, 3.5, 3.6, 3.7, 3.8, 4.1, 4.2, 4.3, 4.4, 5.1, 5.2, 6.1, 6.4

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Category	Sub Category	Analytical Techniques

	• Miscellaneous
	  ○ Lamp filament
	  ○ Physical match
	  ○ Glass
	  ○ Misc. materials
		• 1.2, 1.3, 1.4, 3.5, 3.6, 3.7, 4.1, 4.2, 4.5, 5.1, 5.2, 6.4

Microscopy – Trace Materials	• Hairs and Fibers
	  ○ Hairs
	  ○ Fibers
		• 1.2, 1.3, 1.4, 3.1, 3.6, 4.1, 4.2, 5.1, 5.2, 6.4

Toxicology	Pharmaceuticals and poisons in human biological specimens	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.2.1, 3.4, 6.3, 6.4
	Alcohol/volatile analysis	2.1, 3.2.1, 6.3, 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 2.3 Liquid 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 3.7 EDX 3.8 Atomic absorption
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 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