

Honolulu Police Department Scientific Investigation Section
07-FQS-I-15
Scope of Accreditation

Field of Testing: Forensic Testing

Materials

Category	Sub-Category/Activity	Analytical Techniques*
Biology	• Biological screening (body fluid id)	• 1.1, 1.2, 4.1, 8.0
	• DNA analysis in forensic casework	• 2.1.1, 2.2, 3.1, 8.0
	• DNA analysis for databasing (CODIS)	• 2.1.1, 2.2, 3.1, 8.0
Controlled Substances	• Controlled pharmaceuticals and illicit drugs, and related chemicals	• 1.2, 1.3, 5.1, 6.1, 6.2, 7.3, 8.0
	• Botanical material	• 1.2, 4.1, 6.2, 7.3, 8.0
	• Alcohol	• 5.1, 6.2, 7.3, 8.0
Firearms/Toolmarks	• Weapons & ammunition	• 4.1, 7.1, 7.2, 7.3, 8.0
	• Tool marks	• 4.1, 7.1, 7.2, 7.3, 8.0
	• Serial number restoration	• 4.1, 8.0
	• Database (NIBIN)	• 7.1, 7.2, 8.0
	• Distance determination	• 7.2, 7.3, 8.0

***Analytical Techniques**

1.0 Chemical Screening Tests
1.1 Immunoassay
1.2 Color
1.3 Microchemical
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 Microscopy
4.1 Optical
5.0 Chromatography
5.1 Gas Chromatography
6.0 Spectroscopy
6.1 Infrared, UV, Visible, or Fluorescence
6.2 Gas Chromatography - Mass spectrometry
7.0 Physical Examination
7.1 Striation comparison
7.2 Pattern comparison, pattern recognition
7.3 Physical measurements (e.g., weight, volume, length, diameter, etc.)
8.0 General laboratory procedures