

Denver Police Department Crime Laboratory Bureau
FQSI-Denver PCL-020
Scope of Accreditation

Field of Testing: Forensic Science

Materials Tested

Category	Sub-Category/Activity	Analytical Techniques
Controlled Substances	<ul style="list-style-type: none"> • Controlled pharmaceuticals and illicit drugs <ul style="list-style-type: none"> ○ Related chemicals and paraphernalia 	<ul style="list-style-type: none"> • 1.2, 1.3, 4.1, 5.1, 5.2.1, 5.3, 6.1, 7.0, 8.0
	<ul style="list-style-type: none"> • Botanical material 	<ul style="list-style-type: none"> • 1.2, 5.2.1, 6.1, 7.1, 8.0
Trace Chemistry-Flammables	<ul style="list-style-type: none"> • Recovery 	<ul style="list-style-type: none"> • 8.0
	<ul style="list-style-type: none"> • Identification 	<ul style="list-style-type: none"> • 5.2.1
Toxicology	<ul style="list-style-type: none"> • Alcohol 	<ul style="list-style-type: none"> • 4.1, 5.2.1, 6.1, 8.0
Biology	<ul style="list-style-type: none"> • Biological screening (body fluid id) 	<ul style="list-style-type: none"> • 1.1, 1.2, 6.1, 8.0
	<ul style="list-style-type: none"> • DNA analysis in forensic casework <ul style="list-style-type: none"> ○ CODIS ○ Paternity/Familial relationships 	<ul style="list-style-type: none"> • 2.1.1, 2.1.2, 2.1.3, 2.2, 3.1, 8.0
Trace materials	<ul style="list-style-type: none"> • Chemistry <ul style="list-style-type: none"> ○ Paint 	<ul style="list-style-type: none"> • 1.2, 1.3, 5.1, 5.2.1, 5.3, 5.4, 6.1, 7.0, 8.0
	<ul style="list-style-type: none"> • Hairs and fibers <ul style="list-style-type: none"> ○ Fibers ○ Hairs 	<ul style="list-style-type: none"> • 1.2, 1.3, 5.1, 6.1, 7.0, 8.0
	<ul style="list-style-type: none"> • Miscellaneous <ul style="list-style-type: none"> ○ Glass ○ Gun shot residue ○ Explosives ○ Tape 	<ul style="list-style-type: none"> • 1.2, 1.3, 4.2, 4.3, 5.1, 5.2.1, 5.3, 6.1, 7.0, 8.0
Firearms/Toolmarks	<ul style="list-style-type: none"> • Weapons <ul style="list-style-type: none"> ○ Ammunition 	<ul style="list-style-type: none"> • 6.1, 6.2, 6.4, 7.1, 8.0
	<ul style="list-style-type: none"> • Toolmarks 	<ul style="list-style-type: none"> • 6.1, 6.2, 6.4, 7.1, 8.0
	<ul style="list-style-type: none"> • Serial number restoration 	<ul style="list-style-type: none"> • 7.1, 8.0
	<ul style="list-style-type: none"> • Database <ul style="list-style-type: none"> ○ NIBIN 	<ul style="list-style-type: none"> • 6.2, 6.4, 8.0
	<ul style="list-style-type: none"> • Distance determination 	<ul style="list-style-type: none"> • 6.1, 6.4, 8.0
Latent Prints	<ul style="list-style-type: none"> • Development 	<ul style="list-style-type: none"> • 8.0
	<ul style="list-style-type: none"> • Comparison 	<ul style="list-style-type: none"> • 6.3, 6.4, 8.0

Denver Police Department Crime Laboratory Bureau
FQSI-Denver PCL-020
Scope of Accreditation

Category	Sub-Category/Activity	Analytical Techniques
	<ul style="list-style-type: none"> • Database <ul style="list-style-type: none"> ○ AFIS 	<ul style="list-style-type: none"> • 6.3, 6.4, 8.0
	<ul style="list-style-type: none"> • Shoeprints/Tire Tread 	<ul style="list-style-type: none"> • 6.1, 6.4, 8.0
Crime Scene Investigation	<ul style="list-style-type: none"> • Crime scene investigation <ul style="list-style-type: none"> ○ Evidence recovery ○ Photography ○ Measurements ○ Latent Print development 	<ul style="list-style-type: none"> • 1.2, 6.0, 6.1, 8.0
	<ul style="list-style-type: none"> • Blood spatter pattern interpretation 	<ul style="list-style-type: none"> • 6.0, 6.1, 6.4,8.0
Digital Evidence	<ul style="list-style-type: none"> • Computer Forensics • Image analysis • Video analysis 	<ul style="list-style-type: none"> • 8.0

Analytical Techniques

1.0 Chemical Screening Tests <ul style="list-style-type: none"> 1.1 Immunoassay 1.2 Color 1.3 Microchemical
2.0 Genetic Analysis <ul style="list-style-type: none"> 2.1 DNA-PCR <ul style="list-style-type: none"> 2.1.1 Autosomal STR 2.1.2 Y-STR 2.1.3 Real-time PCR 2.2 Data analysis
3.0 Electrophoresis <ul style="list-style-type: none"> 3.1 Capillary
4.0 Chromatography <ul style="list-style-type: none"> 4.1 Gas Chromatography 4.2 Liquid Chromatography 4.3 Thin Layer Chromatography

Denver Police Department Crime Laboratory Bureau
FQSI-Denver PCL-020
Scope of Accreditation

5.0 Spectroscopy
5.1 Infrared, UV, Visible, or Fluorescence
5.2 Mass spectrometry
5.2.1 GC/MS
5.3 X-ray
6.0 Physical Examination
6.1 Physical Measurements
6.2 Striation comparison
6.3 Friction ridge analysis
6.4 Pattern comparison, pattern recognition
7.0 Microscopy
7.1 Optical
7.2 Electron
8.0 General laboratory procedures