

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 828

Legal Name of Accredited Laboratory: **British Columbia Institute of Technology
BCIT Forensic DNA Laboratory**

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| SCC File Number: | 151016 |
| Accreditation Standard(s): | ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories |
| Fields of Testing: | Forensic Biology / DNA Relationship |
| Program Specialty Area: | Forensic |
| Initial Accreditation: | 2016-05-26 |
| Most Recent Accreditation: | 2021-10-21 |
| Accreditation Valid to: | 2024-05-26 |

FORENSICS

Forensic Biology / DNA

Description of Activities:

Evidence examination, identification of biological evidence including presumptive and confirmatory testing. Nuclear DNA analysis (autosomal STR and Y-STR) including the DNA extraction, quantitation, PCR amplification and capillary electrophoresis Interpretation of single source and mixed DNA profiles to establish associations between crime scene evidence and known reference samples, parentage/kinship analysis and reporting. Techniques for which laboratory is accredited:

- a. Forensic DNA analysis (screening, extraction, quantification, PCR amplification using GlobalFiler®, GlobalFiler® Express and Yfiler™ Plus, and capillary electrophoresis)
- b. Human body fluid identification - microscopic and biochemical procedures
- c. Interpretation of DNA profiles and statistical analysis

Number of Scope Listings: 3

Notes:

ISO/IEC 17025:2017: General Requirements for the Competence of Testing and Calibration Laboratories

RG-FORENSIC: SCC Requirements and Guidance for the Accreditation for Forensic Testing Laboratories

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
Vice-President, Accreditation Services
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