



Idaho State Police Forensic Services



Taylor Maichak

Forensic Scientist III – DNA Technical Lead
Idaho State Police Forensic Services
700 S. Stratford Dr. Meridian, ID 83642
208-884-7173

Education:

2016 Marshall University
M.S. in Forensic Science
Emphases in DNA Analysis, Forensic Chemistry, and Crime Scene Investigation

2014 Oklahoma State University
B.S. in Microbiology/Cell & Molecular Biology
Option in Microbial Pathogenesis

Experience:

6/2020 – Present Idaho State Police Forensic Services
Forensic Scientist III – DNA Technical Lead

3/2018 – 6/2020 Sorenson Forensics
Forensic DNA Analyst II, Priority Lab

1/2018-3/2018 Sorenson Forensics
Lead DNA Analyst

4/2016-1/2018 Sorenson Forensics
Forensic DNA Analyst I

Testimony:

2025 Ada County, ID

2024 Ada County, ID
Canyon County, ID
Kodiak, AK
Kodiak, AK

2023 Lemhi County, ID
Ada County, ID
Latah County, ID
Bingham County, ID
Bannock County, ID
Canyon County, ID

<https://isp.idaho.gov/forensics>

EQUAL OPPORTUNITY EMPLOYER

Revised 12/30/2025

Taylor Maichak

2022 Lemhi County, ID
Bannock County, ID
Canyon County, ID
Canyon County, ID
Twin Falls County, ID

2021 Bethel, AK
Kauai, HI

2020 Washington D.C.
Washington County, UT

2019 Salt Lake County, UT

Certifications:

2020-Present American Board of Criminalistics – Molecular Biology Diplomate

Continuing Education; Association Meetings; Conferences:

2025 11th Annual Workshop on STRMix™ Implementation and Casework Approach
31st Annual CODIS Conference

2024 10th Annual Workshop on STRMix™ Implementation and Casework Approach

2023 9th Annual Workshop on STRMix™ Implementation and Casework Approach
75th Annual American Academy of Forensic Sciences Conference

2022 Forensic Relationship Statistics Training
Internal Auditor Training
2022 CODIS Conference
8th Annual Workshop on STRMix™ Implementation and Casework Approach

2021 2021 CODIS Conference
32nd International Symposium on Human Identification: DNA
7th Annual Workshop on STRMix™ Implementation and Casework Approach

2020 31st International Symposium on Human Identification: DNA
2020 CODIS Conference

2019 Preparing for Expert Witness Testimony on Probabilistic Genotyping
Quality Assurance via Rapid Validation

Taylor Maichak

- 2018 SNP Webinar Series: Investigative DNA Testing Implementation
Implementing Next Generation Sequencing for Forensic DNA Analysis
3500 Series Instrument Overview and Comparison with 3130 Series
Assessment of Y chromosome Degradation Level Using the Investigator
Quantiplex Pro RGQ Kit
Using Forensics & Biometrics on Human Trafficking
STRmix 4-day Regional Workshop
- 2017 2017 NIJ R&D Series: Forensic Biology & DNA – Part I
Introduction to Likelihood Ratios and Probabilistic Genotyping
Next Generation Sequencing Feasibility and Guidance Study for Forensic
DNA
Qiacube and EZ1 Advanced XL Overview
The Evolution of SNPs as a Forensic Marker
Familial DNA Searching: Understanding the Current State of Affairs
- 2016 SoftGenetics GeneMarker HID: A User's Perspective
Developmental Validation of the MiSeq FGx Forensic Genomic System
Looking Ahead: The National Sexual Assault Policy Symposium
Introduction to Real-Time PCR: Basic Principles and Chemistries
Applications of Emerging Technologies NIST & 2016 NIG R&D Series:
Forensic Biology & DNA

Validations Completed:

- 2022 PowerPlex® Fusion 6C System Amplification Kit on the Applied
Biosystems® 3500 Genetic Analyzer using GeneMapper® ID-X v1.6
Analysis Software in conjunction with Promega GI Validation Services
- 2021 PowerPlex® Fusion System Amplification Kit on the Applied
Biosystems® 3500 Genetic Analyzer using GeneMapper® ID-X v1.6
Analysis Software in conjunction with Promega GI Validation Services
- 2015 The Internal Validation of Life Technologies® Quantifiler® Trio and
Qiagen® Investigator® Quantiplex HYres DNA Quantification Kits

Teaching; Presentations:

- 2015 The Internal Validation of Life Technologies® Quantifiler® Trio and
Qiagen® Investigator® Quantiplex HYres DNA Quantification Kits,
and a Comparative Analysis to Life Technologies® Quantifiler® Duo.
Poster and Lecture, Marshall University.
- 2014 Laser Capture Microdissection: Methodology, Benefits, and
Disadvantages for Forensic Use. Lecture, Marshall University.