

# NATHANAELLE (NILE) PAMPHILE

973-566-4686 | [npamphile55@gmail.com](mailto:npamphile55@gmail.com)

Senior Laboratory Technologist with over 5 years of experience in the practical work of clinical laboratories with expertise in molecular diagnostics, reproductive genetics, and quality assurance. Proven skills in performing complex test procedures as per CLIA and CAP standards. Experienced in DNA/RNA isolation, PCR amplification, automated screening platforms, and regulatory documentation. High level of commitment to delivering accurate, timely results and managing high-performing teams in high-stress healthcare environments.

## CORE SKILLS & COMPETENCIES

### Technical Skills:

- DNA/RNA Extraction & Purification
- PCR Amplification & qPCR Analysis
- Mass Spectrometry, Flow Cytometry, HPLC
- Specimen Processing & Accessioning
- Laboratory Information Systems (Epic Beaker, Sunquest)
- Reagent Preparation & Inventory Management
- Instrument Calibration, Maintenance & Troubleshooting

### Regulatory & Quality Compliance:

- CLIA, CAP & FDA Regulatory Standards
- Quality Control & Assurance Procedures
- Documentation & Record Keeping
- HIPAA Compliance & Data Protection
- Change Control & Deviation Management

### Leadership & Soft Skills:

- Staff Training, Mentorship & Team Leadership
- Critical Result Communication
- Workflow Optimization & Process Improvement
- Cross-Functional Collaboration
- Problem Solving & Technical Troubleshooting

## PROFESSIONAL EXPERIENCE

**Senior Lab Molecular Technologist - Team Leader** | Igenomix | Jersey City, NJ

**Dec. 2019 – Nov. 2024**

- Led daily molecular testing operations for reproductive genetics, processing 200+ samples with DNA/RNA isolation, amplification, and sequencing preparation.
- Maintained and troubleshooted advanced instrumentation, including HPLC systems, PCR thermocyclers, and liquid handling platforms.
- Designed and implemented new staff training protocols, reducing onboarding time by 30% and improving lab accuracy rates.
- Ensured 100% compliance with CAP inspections through meticulous quality control documentation and process adherence.
- Partnered with laboratory managers to optimize experimental protocols, enhancing operational efficiency and result accuracy.

**Newborn Screening Technologist** | New Jersey Department of Health | Trenton, NJ

**Dec. 2017 – Dec. 2019**

- Performed high-throughput newborn screening using automated platforms (PerkinElmer GSP, Tecan), ensuring compliance with state and federal guidelines.
- Coordinated reagent preparation and quality control for multiple statewide screening panels.
- Communicated critical results to healthcare providers with accuracy and sensitivity under tight deadlines.

**Laboratory Technician** | GENEWIZ | South Plainfield, NJ

**Apr. 2016 – Jul. 2017**

- Supported molecular testing workflows, maintaining sample integrity and accurate chain-of-custody protocols.
- Executed manual pipetting, gel electrophoresis, and daily maintenance of laboratory equipment.
- Assisted senior scientists with experimental troubleshooting and protocol adjustments to improve research outcomes.

## EDUCATION

**Bachelor of Science in Biology** | Bloomfield College | Bloomfield, NJ

## CERTIFICATIONS

ASCP Certification  
 HIPAA Compliance Trained  
 OSHA Laboratory Safety Certified  
 CPR/First Aid Certified