

Maya Patel

Laboratory Technician

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Summary

Detail-oriented laboratory technician with 4+ years of experience supporting high-throughput clinical and research laboratories. Skilled in specimen processing, aseptic technique, reagent preparation, equipment calibration, and documentation under Good Laboratory Practice (GLP) and Clinical Laboratory Improvement Amendments (CLIA) requirements. Consistently delivers accurate, traceable results while maintaining strict safety and quality standards.

Skills

Laboratory: Specimen accessioning, aliquoting, pipetting, centrifugation, serial dilution, solution and buffer preparation, microscopy, bacterial culture, aseptic technique, DNA/RNA extraction, polymerase chain reaction (PCR), gel electrophoresis, enzyme-linked immunosorbent assay (ELISA)

Quality & Safety: GLP, CLIA, standard operating procedures (SOPs), quality control, chain of custody, chemical hygiene, biosafety level 2 practices, inventory control, incident documentation

Systems & Equipment: Laboratory information management systems (LIMS), electronic laboratory notebooks, Nimbus Excel, micropipettes, spectrophotometers, microplate readers, autoclaves, analytical balances

Experience

Laboratory Technician II

Harborview Diagnostics

Aug 2022 – Present

Boston, MA

- Process 180–220 blood, urine, and swab specimens per shift, verifying identifiers, sample integrity, and chain-of-custody records with a sustained 99.8% accessioning accuracy rate.
- Prepare controls, calibrators, reagents, and serial dilutions for PCR and ELISA workflows; perform scheduled quality-control checks and document results in the LIMS.
- Maintain, calibrate, and troubleshoot centrifuges, pipettes, balances, and microplate readers, helping reduce instrument-related workflow interruptions by 25%.
- Investigate specimen and quality-control discrepancies with senior technologists, record corrective actions, and support internal CLIA and safety audits with complete documentation.
- Train six new technicians on specimen handling, biosafety, waste segregation, and SOP compliance, shortening average onboarding time by one week.

Laboratory Assistant

Northeast Biomedical Research Center

Jun 2020 – Jul 2022

Cambridge, MA

- Supported cell biology and molecular assays by preparing sterile media, buffers, agarose gels, and labeled sample sets for three concurrent research teams.
- Performed DNA/RNA extraction, PCR setup, gel electrophoresis, absorbance measurements, and basic microscopy under approved protocols and documented observations in electronic notebooks.
- Managed inventory for more than 300 reagents and consumables using first-expire, first-out controls, cutting rush orders by 30% and preventing interruptions from expired stock.
- Cleaned and decontaminated work areas and equipment, completed temperature and maintenance logs, and arranged biohazardous and chemical waste disposal according to safety procedures.

Education

Bachelor of Science in Biology

University of Massachusetts Boston

Relevant coursework: Microbiology, Molecular Biology, Biochemistry, Immunology, and Laboratory Methods

May 2020

Boston, MA

Certifications

American Society for Clinical Pathology (ASCP), Medical Laboratory Assistant

2023

Occupational Safety and Health Administration (OSHA), Laboratory Safety

2024