Vanessa Huang

Clinical Laboratory Scientist

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SUMMARY

California-licensed Clinical Laboratory Scientist with 4 years in hospital and reference labs, covering microbiology, molecular diagnostics, chemistry and blood bank. Runs CLIA-compliant clinical laboratory testing and quality control, validates new PCR assays and keeps QC and competency records in Excel. Self-motivated and organized on a 24/7 testing schedule.

EXPERIENCE

Clinical Laboratory Scientist 05/2024 - Present

Pacific Coast Medical Center San Diego, CA

Microbiology and molecular lab in a 420-bed hospital.

- Perform **150+** PCR respiratory, GI and STI panels a day and review amplification curves before reporting.
- Validate 3 new molecular diagnostics assays with accuracy, precision and reportable range studies under CLIA rules.
- Identify organisms by MALDI-TOF and read susceptibility panels for 90 microbiology cultures a day.
- Track QC, proficiency testing and competency records in Excel, with zero deficiencies at the 2025 CAP inspection.

Clinical Laboratory Scientist 07/2022 - 04/2024

Mission Valley Reference Laboratory San Diego, CA

Regional reference lab serving 60 outpatient clinics.

- Ran 500 chemistry and coagulation tests a shift on automated lines.
- Performed ABO/Rh typing, antibody screens and crossmatches during blood bank rotations.
- Reviewed hematology smears and delta checks before release, catching about 20 mislabeled samples a month.
- Organized reagent inventory in Microsoft Office logs, cutting expired lot waste by a third.

SKILLS

Clinical Laboratory Testing

Molecular Diagnostics

Microbiology • Chemistry

Blood Bank • Coagulation

Quality Control • CLIA

Excel • Self-Motivated

EDUCATION

Bachelor of Science

06/2021

University of California, San Diego

La Jolla, CA

Biochemistry

CERTIFICATES

Clinical Laboratory Scientist License

California Department of Public Health, Laboratory Field Services

06/2022

Medical Laboratory Scientist, MLS(ASCP)

ASCP Board of Certification

06/2022