

MARZIEHSADAT SEYEDREZAZADEH

Medical Laboratory Technologist | Clinical Diagnostics | Quality Control | Microbiology

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PROFESSIONAL SUMMARY

Medical Laboratory Technologist with more than 5 years of experience in clinical diagnostics, microbiology, immunology, hematology, biochemistry, serology, and hormone analysis. Experienced in high-volume laboratory testing, quality control management, equipment calibration, and laboratory operations. Proven ability to maintain diagnostic accuracy, ensure compliance with laboratory standards, and support efficient patient care through reliable testing and reporting.

CORE SKILLS

Clinical Diagnostics: Microbiology, Immunology, Hematology, Biochemistry, Serology, Hormone Assays, Electrophoresis

Quality Control: Laboratory Quality Control, Internal and External QC, SOP Development, Laboratory Compliance, Laboratory Safety

Molecular and Testing: ELISA Testing, PCR, Real-Time PCR, Sample Processing, Diagnostic Testing, Blood Test Interpretation

Operations and Collaboration: Laboratory Operations, Equipment Calibration, Inventory Management, Staff Training, Patient and Physician Communication

WORK EXPERIENCE

Laboratory Technologist | Dr. Norouz Pour Medical Laboratory | Mashhad, Iran | Mar 2023 to Jul 2025

Clinical diagnostic laboratory

- Performed diagnostic testing across immunology, microbiology, biochemistry, serology, electrophoresis, and hormone analysis while maintaining high standards of accuracy and quality.
- Conducted more than 12,000 ELISA tests supporting reliable immunological diagnostics.
- Processed over 7,500 hemoglobin samples and 7,000 protein samples with consistent accuracy and quality assurance.
- Logged more than 1,800 hours operating IMMULITE 2000 XPi and other diagnostic systems.
- Conducted over 900 hours of microbiological testing and analysis to support clinical diagnoses.
- Developed and implemented quality control procedures that improved testing reliability and reduced diagnostic errors.
- Maintained laboratory equipment through calibration, maintenance, and troubleshooting to ensure uninterrupted operations.

Laboratory Technologist | Diagnostic and Specialized Laboratory of Imam Muhammad Baqir Clinic | Mashhad, Iran | Jun 2020 to Mar 2023

Diagnostic and specialized medical laboratory

- Supervised internal and external quality control programs across hematology and microbiology laboratories.
- Conducted diagnostic testing in hematology, microbiology, immunology, serology, biochemistry, and hormone analysis with more than 2,100 hours of hands-on laboratory experience.
- Trained laboratory personnel on quality control protocols and laboratory best practices.
- Diagnosed and resolved equipment and technical issues to maintain operational efficiency.
- Collaborated with physicians and patients to facilitate accurate communication of laboratory procedures and requirements.
- Managed preventive maintenance activities and equipment procurement to ensure laboratory readiness.

Laboratory Supervisor | Dr. Nezhad Hossein Medical Laboratory | Mashhad, Iran | Jun 2020 to Mar 2023

Clinical laboratory operations and quality control

- Managed daily laboratory operations and implemented standard operating procedures to improve workflow efficiency.
- Logged more than 2,000 hours performing ELISA, biochemistry, immunology, and hormone assay testing.
- Oversaw inventory management, procurement activities, and laboratory resource planning.
- Maintained quality control records and laboratory documentation to support regulatory compliance.
- Provided technical guidance to laboratory staff on complex diagnostic procedures.
- Coordinated laboratory projects and vendor relationships to support equipment acquisition and service delivery.

EDUCATION

Bachelor of Science in Microbiology | Islamic Azad University (IAU), Mashhad, Iran | 2016 to 2020

RECOGNITION AND ACHIEVEMENTS

- Best Undergraduate Student of the Year, Islamic Azad University of Mashhad (2018)
- National Winner, 17th Kharazmi Teen Festival (2014)
- Iran National Elite Foundation (INEF) Award (2014)

TOOLS AND LANGUAGES

Laboratory Equipment: IMMULITE 2000 XPi, ADVIA Centaur CP, Mini VIDAS, CAPILLARYS 2 FLEX PIERCING, CHORUS TRIO, BT1500, Hitachi 7080, Mindray, Sysmex XT-2000i

Professional Development: PCR & Real-Time PCR, ELISA Workshop, Clean Room Operations, Diagnostic Kit Manufacturing, SPSS, Blood Test Interpretation

Languages: Persian, Native | German, B2 | English, B1