

AMMAR ELHASSAN

Medical Laboratory Supervisor | Lab Operations, Quality & Molecular Diagnostics Specialist

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PROFESSIONAL SUMMARY

Results-driven Medical Laboratory Supervisor and Microbiologist with 8+ years of progressive leadership across accredited UAE diagnostic environments. Proven ability to build laboratories from the ground up, lead multi-body accreditation programmes (DOH, JCI, CAP, ISO 15189), and design quality management systems that sustain long-term regulatory compliance. Expert in molecular diagnostics (PCR, RT-PCR, Nested PCR), infection control governance, and cross-disciplinary laboratory operations spanning Hematology, Microbiology, Immunology, Biochemistry, and Serology. Active DOH Licence (GT26376), DHA Eligibility, ISO 15189:2022 Certified, and published researcher in molecular pathology.

KEY ACHIEVEMENTS

- Built and commissioned a full Molecular Diagnostics Laboratory at ZenDXB Clinic end-to-end — equipment procurement, instrument validation, quality documentation, SOP development, and live diagnostic testing.
- Spearheaded DOH laboratory licensing for Royal Health Group — led all technical compliance activities to achieve full accreditation for a newly established facility.
- Directly contributed to achieving JCI and ISO dual-accreditation at Royal Health Group — co-developed quality documentation, internal audit frameworks, and corrective action processes that passed multi-body review.
- Designed and deployed a Laboratory Quality Portal at ZenDXB Clinic — centralising SOPs, checklists, policies, and standardised forms to support ongoing CAP and ISO 15189 compliance.
- Developed an Excel-based COVID-19 sample registration and external send-out tracking system adopted across the laboratory — reducing errors and accelerating turnaround reporting.
- Published peer-reviewed research: Molecular Detection of MMTV-Like Virus in Breast Carcinoma Patients — demonstrating advanced molecular expertise extending into research and scientific publication.

CORE COMPETENCIES

Laboratory Operations Management | ISO 15189 & CAP Quality Systems | JCI & DOH Accreditation Leadership | Molecular Diagnostics (PCR / RT-PCR / Nested PCR) | Lab Setup & Commissioning | Instrument Validation & Troubleshooting | SOP Development & Policy Governance | EQAS / IQC Programme Management | Infection Control & DOH Reporting | Team Leadership & Staff Training | Vendor & Procurement Management | Laboratory Information Systems (LIS)

PROFESSIONAL EXPERIENCE

Medical Laboratory Supervisor (Microbiologist) • ZenDXB Clinic, Dubai

Nov 2025 – Present

- Built and launched a complete Molecular Diagnostics Laboratory from inception — managing machine selection, procurement, validation, quality documentation, and live PCR-based diagnostic testing, significantly reducing reliance on external send-out.
- Designed and deployed a comprehensive Laboratory Quality Portal integrating SOPs, policies, checklists, and standardised forms, establishing a fully CAP and ISO 15189-aligned compliance infrastructure.
- Led validation, verification, and scheduled maintenance of all laboratory analysers and diagnostic kits, ensuring 100% alignment with manufacturer specifications and regulatory requirements.
- Managed end-to-end supplier and vendor relationships — negotiating procurement terms, monitoring consumable stock levels, and eliminating supply-related testing disruptions.

Senior Laboratory Technologist • Royal Health Group, Al Ain

May 2020 – Apr 2024

- Served as a core technical lead in establishing a brand-new licensed laboratory — driving all compliance activities required to secure full DOH accreditation for the facility.
- Played an instrumental role in achieving JCI and ISO dual-accreditation — co-authored quality documentation, led audit preparation, and maintained ongoing compliance readiness throughout tenure.
- Appointed Lab Infection Control Coordinator — established infectious disease surveillance and reporting workflows via the DOH portal, ensuring uninterrupted regulatory compliance across the department.

- Directed core laboratory operations across five disciplines: Hematology, Immunology, Serology, Biochemistry, and Microbiology — sustaining continuous high-quality diagnostic output.
- Authored and implemented comprehensive laboratory policies and quality documentation; trained and mentored new staff, standardising adherence to safety, QC, and procedural protocols from day one.

Laboratory Technologist • Lebanon Medical Center, Sharjah

Mar 2019 – Mar 2020

- Executed daily IQC across Hematology and Biochemistry analysers while performing a full clinical testing portfolio — Hematology, Clinical Chemistry, Coagulation, Serology, and Urinalysis — maintaining consistent accuracy and precision targets.
- Supported procurement of a new Biochemistry analyser and independently resolved instrument malfunctions, minimising downtime and ensuring continuity of diagnostic services.

EDUCATION

Master of Science — Medical Microbiology • Sudan International University

Dec 2016 – Aug 2018

Thesis: Molecular Detection of Mouse Mammary Tumor Like Virus (MMTV-like) in Breast Carcinoma Patients in Sudan — subsequently published as a peer-reviewed research paper.

Bachelor of Science — Medical Laboratory Sciences • National Ribat University

Oct 2011 – Aug 2015

Major: Microbiology and Parasitology.

PROFESSIONAL DEVELOPMENT & CONTINUING EDUCATION

- WHO OpenWHO — Laboratory Quality Management System (LQMS) Toolkit | World Health Organization | 2022
- WHO OpenWHO — Infection Prevention and Control (IPC) Core Components in Health Care Facilities | World Health Organization | 2021
- Coursera — Healthcare Quality Improvement and Patient Safety | Johns Hopkins University | 2023
- LinkedIn Learning — Quality Management Foundations: Driving Operational Excellence | 2024
- Coursera — Everyday Excel: Data Management and Reporting Tools for Healthcare Professionals | University of Colorado | 2022

CERTIFICATIONS, LICENCES & LANGUAGES

Regulatory Licences: DOH Licensed Medical Lab Technologist — GT26376 | DHA Eligibility Letter | UAE Driving Licence

Professional Certifications: ISO 15189:2022 — Medical Laboratory Quality & Competence (May 2023) | ISO/IEC 19011 — Auditing Management Systems (May 2023)

Languages: English — Professional Proficiency | Arabic — Native

Published Research: Molecular Detection of MMTV-Like Virus in Breast Carcinoma Patients in Sudan (peer-reviewed journal article)