

CURRICULUM VITAE



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PROFESSIONAL SUMMARY

ASCPi-certified and VisaScreen®-certified Medical Laboratory Scientist with a Master of Science in Medical Technology and nearly 30 years of high-complexity clinical laboratory experience across chemistry, hematology, urinalysis, microbiology, histopathology, and molecular diagnostics. Former Lecturer and Clinical Instructor in Medical Laboratory Science at the University of Tabuk and Iloilo Doctors' College, delivering competency-based, hands-on training in histopathology, instrumentation, and core laboratory disciplines. Fully qualified under CLIA for high-complexity testing, with strong proficiency in QC/QA, analyzer operation, troubleshooting, and workflow optimization. Recognized for accuracy, reliability, and the ability to strengthen both laboratory operations and student clinical competency.

CORE CLINICAL SKILLS

- **High-Complexity Clinical Testing:** Chemistry, Hematology, Coagulation, Urinalysis, Body Fluids, Microbiology
- **Specimen Management:** Collection, Phlebotomy, Venipuncture, Processing, Accessioning, STAT & Inpatient Workflow
- **Histopathology / Histotechnology:** Tissue Processing, Embedding, Microtomy, H&E Staining, Slide QC, Troubleshooting
- **Instrumentation & Technical Operations:** Analyzer Operation, Calibration, Maintenance, Method Verification, Troubleshooting
- **Quality Systems:** QC/QA, Westgard Rules, Levey-Jennings, Proficiency Testing, Documentation, Regulatory Compliance

- **Safety & Standards:** Biosafety, Infection Control, CLIA/CAP Requirements, Laboratory Accreditation Support
- **Information Systems:** LIS/EMR Data Entry, Result Verification, Critical Value Reporting, Workflow Optimization
- **Academic & Teaching Competencies:** Competency-based laboratory instruction, curriculum delivery, student mentoring, practical skills training, assessment of laboratory performance
- **Professional Strengths:** Accuracy, reliability, independent bench performance, strong analytical judgment, effective communication in clinical and academic environments

Qualification Basis:

- **MLS (ASCPi) Certification** – Demonstrates international competency in high-complexity clinical laboratory testing.
- **VisaScreen® – CGFNS International** – Confirms U.S. regulatory compliance for healthcare employment, including education and English proficiency validation.
- **Master of Science in Medical Technology** – Advanced academic preparation supporting clinical practice, teaching, and laboratory leadership.
- **30 Years Multidisciplinary Clinical Laboratory Experience** – Extensive hands-on expertise across chemistry, hematology, urinalysis, microbiology, histopathology, and molecular diagnostics.

PROFESSIONAL EXPERIENCE

Faculty – Medical Laboratory Science Program

University of Tabuk, Saudi Arabia 2011 – June 2026

Clinical Laboratory Training, Internship Supervision & Hands-On Instruction:

- Delivered laboratory instruction in Clinical Microscopy, Hematology, Clinical Chemistry, Microbiology, Histopathology, Cytotechnology, Anatomy & Parasitology, and Laboratory Skills & Instrumentation.
- Provided hands-on training in blood collection, specimen processing, smear preparation, microtomy, staining, microscopy of tissue, blood, and body fluids, analyzer operation, QC, and troubleshooting.

- Supervised clinical rotations and internship training in university-affiliated clinical and hospital laboratories, ensuring students gained competency in real-world bench workflows, specimen handling, STAT testing, and critical value communication.
- Coordinated with hospital laboratory supervisors and pathologists to align student training with CLIA/CAP standards, competency requirements, and current diagnostic practices.
- Maintained active involvement in laboratory setup, reagent preparation, QC checks, equipment calibration, biosafety compliance, and daily operational readiness.

Curriculum Development & Accreditation:

- Developed SOP-aligned laboratory modules, competency checklists, and performance rubrics for practical and theoretical courses.
- Contributed to NCAAA accreditation, curriculum mapping, learning outcomes alignment, and quality assurance documentation.
- Mentored students in research projects, case interpretation, and licensure exam preparation, strengthening academic and clinical readiness.

Medical Laboratory Scientist / Medical Technologist

Clinical Laboratories – Philippines & Saudi Arabia 1997 – June 2026

Generalist Bench Responsibilities:

- Performed high-complexity testing across chemistry, hematology, coagulation, urinalysis, microbiology, histology, and molecular diagnostics.
- Conducted STAT and routine testing for inpatient, outpatient, and emergency services.
- Operated analyzers; performed quality control, calibration, troubleshooting, preventive maintenance, and workflow optimization.
- Conducted smear preparation, microscopic evaluation, and reflex testing, correlating laboratory findings with clinical presentations.
- Performed tissue processing, embedding, microtomy, and H&E staining, ensuring high-quality histopathology slide preparation.
- Ensured compliance with international laboratory standards, including CLIA, CAP, biosafety, and infection control requirements.
- Participated in method validation, linearity, precision, and correlation studies to support analytical accuracy and instrument performance.
- Trained interns and new laboratory personnel; conducted competency assessments and provided structured bench-level instruction.

SECTION-SPECIFIC COMPETENCIES

Clinical Chemistry

- Performed routine and special chemistry tests including electrolytes, enzymes, lipids, therapeutic drug monitoring (TDM), cardiac markers, and liver/kidney function panels.
- Operated automated chemistry analyzers (Beckman Coulter, Roche Cobas, Abbott Architect).
- Conducted calibration, QC review, troubleshooting, and preventive maintenance.

Hematology & Coagulation

- Performed CBC, differentials, reticulocyte counts, ESR, PT/INR, and aPTT.
- Reviewed peripheral blood smears and identified abnormal cells and morphologic patterns.
- Operated hematology analyzers (Sysmex, Mindray, Beckman Coulter).

Urinalysis & Body Fluids

- Conducted macroscopic, chemical, and microscopic urinalysis.
- Performed analysis of CSF, synovial, pleural, and peritoneal fluids, including cell counts, differential counts, and chemical parameters.

Microbiology

- Performed specimen processing, culture inoculation, Gram staining, and organism identification.
- Conducted antimicrobial susceptibility testing.

Histology / Histopathology

- Performed tissue processing, embedding, microtomy, and H&E staining.
- Assisted with special stains, slide QC, and troubleshooting of histology workflows.

Molecular Diagnostics

- Performed PCR, nucleic acid extraction, electrophoresis, and contamination-controlled workflow procedures.
- Ensured adherence to molecular laboratory quality and biosafety standards.

EDUCATION

- **Master of Science in Medical Technology**
University of San Agustin, Iloilo City, Philippines – 2004-2010
- **Bachelor of Science in Medical Technology**
University of San Agustin, Iloilo City, Philippines – 1992-1995

CERTIFICATIONS

- **Medical Laboratory Scientist (ASCPi)** – Board of Certification, American Society for Clinical Pathology
- **VisaScreen® Certificate – CGFNS International** (*Commission on Graduates of Foreign Nursing Schools — U.S. federal credential verification for foreign-educated healthcare professionals*)
- **Registered Medical Technologist (RMT)** – Professional Regulation Commission, Philippines
- **Certified Microbiological Water Analyst** – Department of Health, Philippines
- **Pearson Test of English (PTE Academic)**
- **Basic Life Support (BLS) Provider** – American Heart Association & Saudi Heart Association

PROFESSIONAL AFFILIATIONS

- American Society for Clinical Pathology (ASCP)
- Philippine Association of Medical Technologists (PAMET)

REFERENCES Available upon request