

Genmerch C. Manabat, RMT

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PROFILE/HIGHLIGHTS

- Bachelor Degree in Medical Technology
- With more than 1 year of practice as a generalist in a tertiary laboratory hospital
- Rotated in Blood bank, Clinical Chemistry, Hematology and Coagulation, Clinical Microscopy and Parasitology, Immunology and Serology, and Microbiology.

PROFESSIONAL EXPERIENCE

Staff Medical Technologist (2023) / Blood Donor Recruitment Officer (December 2023-Present)

OUR LADY OF MT. CARMEL MEDICAL CENTER

Km. 78 McArthur Hi-way, Barangay Saguin, City of San Fernando, Pampanga

March 2023 - Present

- Our Lady of Mt. Carmel Medical Center is a premiere tertiary hospital certified by ISO 9001-2000 – Quality Management System from the United Kingdom Accreditation Service (UKAS) and has a 150-bed capacity equipped with the latest state-of-the-art medical instruments and facilities.

Sections Rotated: Blood bank, Clinical Chemistry, Hematology and Coagulation, Clinical Microscopy and Parasitology, Immunology and Serology, and Microbiology

Major instrument operated include:

- Cobas Integra 400 plus
- Cobas e411
- Vitros e411
- Sysmex XN 550
- Mindray BC 3600
- Lifotronic HBA1C H8
- Wondfo Finecare
- Getein 1100
- Fluorecare Immunoanalyzer
- Vitros Eci
- Architect plus i1000 SR
- BD Phoenix m50
- BD Bactec FX40
- Haemonetics MCS+

Medical Technology Intern - Veterans Memorial Medical Center and Angeles University Foundation Medical Center *July 2021 – October 2022*

Duties and Responsibilities:

- Knowledgeable in operating semi-automated and fully-automated machines.
- Experienced in using Laboratory Information System.
- Conducts pre-analytical, analytical, and post-analytical tests on various sample types including blood, urine, feces, tissues, and other body fluids.
- Encodes assay results to the computer and files them to record files and laboratory reports.
- Conducts various chemical and microscopic procedures to obtain results for use in the diagnosis and management of disease.
- Complies with all safety and biosafety policies.
- Performs basic preventive maintenance and troubleshooting of equipment.
- Implement and conduct Quality Assurance Program.
- Reject specimens not meeting the required laboratory standards appropriate for testing.
- Monitors reagents and supplies of the section and submit monthly inventory reports.

I. Clinical Chemistry

- Chemical analysis on blood for lipid profiles, enzymes, electrolytes, sugar, renal function test, liver profile and cardiac functions.
- Special methodologies on blood glucose such as Oral Glucose Tolerance Test, Oral Glucose Challenge Test and 2-hour Postprandial Test.
- Relating results to various diseases.
- Execute troubleshooting during machine error and breakdown.
- Performs clinical analysis using Vitros 350, Cobas Integra 400 plus, Easylyte Electrolyte Analyzer, GP Getein 1100, Lifotronic H8.

II. Clinical Microscopy

- Performs physical and chemical analysis on urine specimens.
- Identifies urine sediments microscopically.
- Does fertility tests like pregnancy tests and seminal fluid analysis.
- Performs physical examination on stool. Identifies ova and parasites and performs chemical tests like occult blood on stool samples.

III. Hematology and Coagulation

- Performs Complete Blood Count, Platelet Count, Reticulocytes, Blood Indices and Malarial smear either manually or using an automated machine.
- Performs and Process slide smear for Peripheral Blood smear.
- Conducts Coagulation tests such as Prothrombin Time and Activated Partial Thromboplastin Time.
- Conducts other special hematologic procedures such as Erythrocyte Sedimentation Rate, Clotting Time and Bleeding Time.
- Cell count of body fluids.
- Performs complete blood count using Mindray BC3600, Sysmex XN-550 and coagulation test on Sysmex CA-50.

IV. Blood bank and Transfusion Service

- Performs Pre and Post screening and bleeding of donors.
- Recruit, retain and recall blood donors.
- Performs the following test for the donor: blood pressure, pulse rate, hemoglobin/hematocrit, blood

typing, HBSAg, Anti-HCV, HIV, VDRL and malarial smear.

- Process blood components such as Packed Red Cells, Platelet and Plasma.
- Performs ABO and Rh blood grouping techniques.
- Performs Compatibility testing/Crossmatching. Issuance of blood products.

V. Immunology-Serology

- Performs Hepatitis profile and other Serological tests such as typhidot, ASO titer, CRP qualitative, HSCR, Dengue Testing, RPR and C3.
- Execute troubleshooting during machine error and breakdown.
- Performs daily control, machine maintenance and reagent calibration.
- Does monthly census of all the tests done and inventory of all reagents.
- Performs serological tests using Architect i1000sr and Vitros ECI.

VI. Microbiology

- Process specimen for bacteriologic and fungal analysis.
- Identifies different microorganism and fungal elements from gram stain smear.
- Performs direct sputum smear for AFB, special procedures like KOH mounting or Indian ink staining for the identification of fungal elements.
- Isolate and identify the different predominant microorganisms through the different media and biochemical reactions.
- Performs Coagulase and Catalase test.
- Does antibiotic sensitivity test an isolated organism.

PROFESSIONAL LICENSES and CERTIFICATIONS

- Philippine Board of Medical Technology
 - License No.: 0111768
 - Valid until: September 2026
- 38th PBCC Annual Convention “Blood Safety and Security: A Call to Sustainability” (September 2023)
- Blood Donor Recruitment, Retention and Care (November 2023)

EDUCATION & AWARDS

ANGELES UNIVERSITY FOUNDATION | Angeles City | November 2022 Bachelor of Science in Medical Technology, Cum laude | College Scholar from 2018 to 2022 | Academic Excellence Award at AUFMC 2022

HOLY ANGEL UNIVERSITY | Angeles City | April 2018 STEM, with Honors

CMRICTHS | Angeles City | March 2016

CHARACTER REFERENCE

Mr. Gian Carlo S. Villanueva

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Applicant