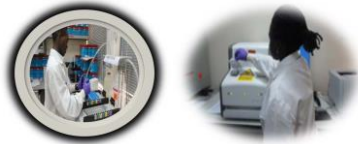


DIAGNOSTICS SECTION

Section has capacity to test and confirm diseases of public health importance to Uganda. These diseases include HIV, Hepatitis B and C, Syphilis, Herpes Simplex Virus (HSV), *Trichomonas vaginalis*, *Chlamydia Trachomatis* (CT), *Neisseria Gonorrhoea* (GC) and detection of latent TB infection. Additionally, the lab performs a molecular diagnostics assay that can detect acute HIV infection.



DATA MANAGEMENT CENTER

Section handles raw and electronic data generated in the laboratory. Data is captured, processed and tracked using a lab database management system.



MUWRP LAB SAFETY DEPARTMENT

Section offers a broad spectrum of safety training courses including orientation to laboratory safety, Good Clinical Laboratory Practices (GCLP), Blood Borne Pathogens (BPP), workplace fires, chemical hazard handling, handling compressed gas cylinders and planning for laboratory emergencies.



CONTACT INFORMATION

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MUWRP CLINICAL AND RESEARCH LABORATORY

LAB MOTTO

**Better Health Care through Quality
Diagnostics & Research**



**MAKERERE UNIVERSITY
WALTER REED PROJECT**

FLOW CYTOMETRY SECTION

The flow cytometry section is well equipped and facilitated to perform both clinical immune monitoring and research immunophenotyping.



PROCESSING SECTION

The processing lab has more than 10 years experience in PBMC isolation and cryopreservation for large cohort studies



SAFETY LABS

Section handles tests necessary for clinical monitoring of patients and/or study volunteers. These include Full Blood Counts (FBC), blood films, clinical chemistry, urinalysis, Coagulation (PT and APTT) and pregnancy tests.



This section of the MUWRP Lab was involved in establishing reference ranges for chemistry and hematology in Uganda.

QUALITY MANAGEMENT SYSTEMS DEPARTMENT

The MUWRP laboratory is accredited by the College of American Pathologists (CAP) since 2005 and is a model for laboratory Quality Management Systems (QMS). The laboratory participates in a number of external quality assurances surveys (EQAs), including; CAP, BIO-RAD, VQA, UK-NEQAS and EQAPOL for clinical and research assays.

LIQUID NITROGEN

The Lab has a well-established Liquid Nitrogen plant with capacity to distribute to external clients at a cost upon request.

RESEARCH & TRAINING CENTRE

The MUWRP laboratory has well trained and highly qualified professionals. Our state of the art research and clinical facility serves as a training center for clinical labs, diagnostics, molecular biology, cellular immunology, PBMC processing and quality management systems.

In addition, the centre supports professional development by offering mentorship, academic and research support in post graduate training (MSc and PhD) as well as support to abstract, manuscript and grants writing at the local and international levels. The laboratory also provides short trainings, internship, and research opportunities to students from Ugandan universities and various research institutions.

COLLABORATIONS

The MUWRP lab offers a wide range of services including quality control monitoring, PBMC processing and cryopreservation, clinical safety labs, diagnostic serology, molecular diagnostics, and immunophenotyping to collaborators in Uganda and US academic centers, on a fee for service contract.

Our collaborators include: *Fred Hutchison Cancer Research Centre, Makerere University College of health sciences, MUJHU research collaboration, MU-UCSF, Malaria Consortium, Baylor College of medicine children's Foundation, GSK, Infectious Diseases Institute, Kenya Medical Research Institute, University of Colorado, University of Washington, University of Minnesota, and University of California San Francisco.*