

Institution: Bomu Medical Centre
Mombasa, Kenya
www.mkomani.org

Contact: Mussa Mwamzuka
Chief Laboratory Technologist
musa.mwamzuka@mkomani.org
m_mwamzuka@yahoo.com

LAB RESOURCES

Please describe the laboratory facilities available in your research institute, including the items listed below (if applicable):

Lab space and equipment (general):

- CO2 incubator, Refrigerated centrifuge, Biosafety cabinet class 2, -80 freezer, analytical balance

BSL-2 lab space and equipment:

BSL-3 lab space and equipment:

Facscalibur in clinical Lab

Flow cytometry equipment:

Facscalibur in clinical Lab

Other:

Autoclaves, Vortex Mixers, and pipettes

BIOLOGICAL SPECIMEN REPOSITORY

Please describe the biological specimens stored at your institute:

- PBMCs, Plasma, Serum, Cervical Lavage, Eswabs, Aptima swab

Does your institute have a database of stored samples: No

Please provide details on methods for biological specimen storage at your institute (e.g., are Standardized Operating Procedures used?):

- SOPS are used

Please describe the equipment/facilities available for sample storage at your institute, including items listed below (if applicable):

-80C freezers

New Brunswick Scientific Ultra low temperature Freezer



Nitrogen storage tanks

LS 3000, Lab Systems Taylor Wharton

Dry ice availability

We use normal ice cubes at -20 degrees

Use of a nitrogen generator

N/A

TRAINING AND EDUCATION

Please describe the training initiatives your institution has in place for individuals prior to working in clinical studies:

- Individuals are first given training by those initiating the study to those who will be involved in the study

Please describe the training initiatives your institution has in place for individuals prior to working in the laboratory:

- Individuals are first given training by those initiating the study to those who will be involved in the study

What assays/techniques do you excel in at your institute?

- PBMC separation and preservation, RT based viral load assay and general lab work, e.g CD4 testing, Haematology and Chemistries.

What training could you provide to visiting scientists?

- General lab orientation. We expect more from the visiting scientist.

What rank are the majority of your trainees? (e.g., approximate numbers of undergraduate students, Masters, PhD, post-doc, MDs)

- Undergraduates

Do you offer training classes/courses for any of the following?

Grant Writing

Manuscript/abstract writing

Computer skills, excel, prism, endnote, word, powerpoint

Presentation skills

Epidemiology

Biostatistics

- We only offer continuous medical education

Does your institute receive funds to support training initiatives?

No

Does your institution send trainees abroad for additional training? Yes

Please indicate the number of trainees sent abroad per year, the source of funding, the location of training, and the type of training received:

- 6 , Princess Diana Foundation, CDC

What Masters and/or Doctoral programs does your institution offer?

None

COLLABORATIONS

Please list and briefly describe your current collaboration with any African institutions for either research or training purposes:

- KEMRI

Please list your institution's plans for future collaborations within African (additional groups, sites, countries, etc.):

- Conduct Studies and Research

Please list and briefly describe your institution's collaborations and/or partnerships with entities outside of Africa (e.g., organizations and networks in the USA, Europe, etc. – including CFARS, NIH clinical trials networks, HPTN, HVTN, AMC, leDEA, USAID, PEPFAR, etc.):

- CFAR

CLINICAL COHORTS

Do you have access to existing clinical cohorts in Africa or USA? Yes

Please describe each existing clinical cohort that you have access to, including specifics like "HIV-TB infected HAART naïve adults", sample size, sample type, sex, age, and whether clinical samples are currently being collected and/or stored (specify which samples):

- Gates Vaginal Health Study, HIV Negative, Female, Store PBMCs, Plasma, Serum, and Cervical lavage

Are you planning to establish any new clinical cohorts over the next 5 years?

Yes

Please describe the clinical cohorts that you are planning to establish, including specifics such as “HIV-TB infected HAART naïve adults”, sample type, sex, and age:

- Female Commercial Sex Workers
- Men Having Sex with Men but HIV Negative

DATA MANAGEMENT

Please describe the DATA MANAGEMENT FACILITIES available in research institute, including the items listed below (if applicable):

<i>Data management expertise, including staff complement (general):</i>	Electronic data entry
<i>On-site database design, implementation and trouble-shooting:</i>	HMIS
<i>Details of off-site support (by whom):</i>	CDC and MOH

BIOSTATISTICAL SUPPORT

Please describe the BIOSTATISTICAL SUPPORT available in your research institute, including the items listed below (if applicable):

<i>Biostatistical expertise, including staff complement/composition of PhD and Masters level biostatisticians:</i>	Nil
<i>Specific areas of biostatistical expertise/excellence:</i>	Nil
<i>Details of off-site support (by whom):</i>	CDC