

Institution: Kenya Medical Research Institute (KEMRI)
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LAB RESOURCES

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

A microbiology lab that conducts molecular and HIV work.

Lab space and equipment (general):

BSL-2 lab space and equipment:

BSL-3 lab space and equipment:

FACS-FLOW

Flow cytometry equipment:

Other:

CHEMISTRY ANALYSER,
HAEMATOLOGY, PCR, AND PFGE
MACHINE

Please list the research groups in your institute, including the size and areas of expertise for each group:

- Immunology (CD4 tests)
- Virology (HIV tests)
- Microbiology (Culture, Susceptibility, Parasitology, PCR)



- TB (Sputum culture and Susceptibility, PCR)
- Nutrition

BIOLOGICAL SPECIMEN REPOSITORY

Please describe the biological specimens stored at your institute:

- Serum and Lavage

Does your institute have a database of stored samples: Yes

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

- Standardized Operating Procedures are used
- Specimens collected and stored in appropriate tubes and regridgerated at the right storage equipments.

TRAINING AND EDUCATION

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

- Training on the Protocol, GCP training/GCLP training, IATA training for lab staff.

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

- Training on the Protocol, GCP training/GCLP training, IATA training for lab staff.

Does your institute receive funds to support training initiatives? Yes

Does your institution send trainees abroad for additional training? Yes

COLLABORATIONS

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, IeDEA, USAID, PEPFAR, etc.):

- WELLCOME TRUST
- WALTER REED
- UNIVERSITY OF WASHINGTON
- UNIVERSITY OF CALIFORNIA-SAN FRANCISCO
- NAGASAKI UNIVERSITY
- PEPFAR
- CDC
- IeDEA

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):

Urban HIV+ cohort of patients, many of whom have been in care since 2004.

COHORT SUMMARY	Peds	Adult	Total
Ever in care (HIV)	528	4189	4717
Care & on TB treatment	1	7	8
Ever on ART	201	2381	2582
Active on ART	136	1658	1794
Active in care	201	2265	2466

- Sixty two percent are adult female with mean age of 32 years
- Samples collected after every 6 months include plasma for CD4 T-cell count, biochemistry and hemogram and stored in a refrigerator (-80^c)

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

No

DATA MANAGEMENT

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

Data management expertise, including staff complement (general):

- Use of electronic medical record – OpenMRS an open source database
- Competent data entry managers
- Availability of both internal and external server
- Daily back-up done

On-site database design, implementation and trouble-shooting:

- High competent programmers and IT support staff on site
- Use of both internal and external server

BIOSTATISTICAL SUPPORT

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

Biostatistical expertise, including staff complement/composition of PhD and Masters level biostatisticians:

- Masters level statisticians mentored and supported by KEMRI-UCSF team