

## BIOLOGICAL SPECIMEN REPOSITORIES: UCSF PARTNER INSTITUTIONS IN EAST AFRICA

Institute	Description of biological specimens stored at institute	Database available?	Methods for biological specimen storage (SOPs)?	Equipment/facilities available for sample storage	Website
<b>Academic Model Providing Access to Healthcare (AMPATH), Eldoret</b>	Serum, plasma, PBMCs, DBS, TB, bacterial and fungal culture isolates, DNA/RNA extracts	Yes	SOPs on all lab activities available at point of use, e.g., quality manual, SOP on specimen collection, storage and handling, etc.	- Freezers (-86C): 6 - Freezers (-40C): 1 - Fridges: 8 - Nitrogen storage tanks: N/A - Dry ice: Available as needed.	<a href="http://www.iukenya.org/hiv.aids.html">http://www.iukenya.org/hiv.aids.html</a>
<b>Kenya Medical Research Institute (KEMRI), Nairobi</b>	Serum and lavage	Yes	- Specimens collected and stored in appropriate tubes and refrigerated in appropriate storage equipment; SOPs used.	....	<a href="http://www.kemri.org">http://www.kemri.org</a>
<b>Kenya Medical Research Institute (KEMRI), Kisumu</b>	- Samples from pregnant women and birth cohort of children from malaria endemic region with high incidence of HIV [SUNY Project]. - General microbiology specimens [UCSF Project].	Yes	- Frozen samples and samples stored in liquid nitrogen. - SOPs used.	- Freezers: 3 - Nitrogen storage tanks (100-liter): 4 - Dry ice: Yes	<a href="http://www.kemri.org">http://www.kemri.org</a>
<b>Infectious Diseases Institute (IDI) at Makerere University (MU), Kampala</b>	- TB suspect repository (sputum) - Urine repository (TB, sepsis) - Cerebral spinal fluid - Plasma, whole blood, serum - Peripheral blood mononuclear cells (PBMCs)	Yes	SPO-driven, aliquoted at room temperature within 6 hours of collection, stored at -80C.	- Freezers (-80C): 10 - Nitrogen storage tanks: None, but available at Walter Reed site. - Dry ice: None.	<a href="http://www.idi-makerere.com">http://www.idi-makerere.com</a>
<b>Infectious Diseases Research Collaboration (IDRC), Tororo</b>	Plasma	Yes	...	Freezers (-80C): 4	<a href="http://www.idrc-uganda.org">http://www.idrc-uganda.org</a>
<b>Mbarara University of Science and Technology (MUST), Mbarara</b>	Rich array of serum, plasma, saliva, and peripheral blood mononuclear cells (PBMC) stored. [UARTO Cohort]	Yes	Biological specimen processing is done at IDI-Kampala, where several SOPs are used.	- Freezers (-80C): Available. - No facilities for PBMC processing or storage.	<a href="http://www.must.ac.ug/must.php">http://www.must.ac.ug/must.php</a>
<b>MU College of Health Sciences, Kampala</b>	Blood	Yes		- Freezers (-80C): Adequate.	<a href="http://chs.mak.ac.ug">http://chs.mak.ac.ug</a>

