KIDMS Training

LMIS for CHAIN study
Login Landing Page

- Enter your user names as provided in your emails
- Enter password (expires after every 3 months)
- Select site
- Fill in the authentic check i.e. will be a set of checks to be performed
Register Samples

- This done from the clinic if appropriate.
- Clinical research team will carry out this function
- click

![Kilifi Integrated Data Management System](image)
This will lead to study meta data page. To add/register a new participant, click at “Add new”.

<table>
<thead>
<tr>
<th>ID</th>
<th>Fk Study</th>
<th>Study Serial</th>
<th>Research Consent</th>
<th>Shipping Consent</th>
<th>Date Collected</th>
<th>Manage</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>95</td>
<td>10001099</td>
<td>Y</td>
<td>Y</td>
<td>2017-04-01 00:00:00</td>
<td>Collect Sample</td>
</tr>
<tr>
<td>37</td>
<td>95</td>
<td>10002097</td>
<td>Y</td>
<td>Y</td>
<td>2017-03-31 00:00:00</td>
<td>Collect Sample</td>
</tr>
<tr>
<td>30</td>
<td>95</td>
<td>10004005</td>
<td>Y</td>
<td>Y</td>
<td>2017-02-28 00:00:00</td>
<td>Collect Sample</td>
</tr>
<tr>
<td>24</td>
<td>95</td>
<td>40000002</td>
<td>Y</td>
<td>Y</td>
<td>2017-02-16 00:00:00</td>
<td>Collect Sample</td>
</tr>
<tr>
<td>17</td>
<td>95</td>
<td>10002003</td>
<td>Y</td>
<td>Y</td>
<td>2017-02-13 00:00:00</td>
<td>Collect Sample</td>
</tr>
<tr>
<td>15</td>
<td>95</td>
<td>10001203</td>
<td>Y</td>
<td>Y</td>
<td>2017-02-13 00:00:00</td>
<td>Collect Sample</td>
</tr>
<tr>
<td>13</td>
<td>95</td>
<td>10003002</td>
<td>Y</td>
<td>Y</td>
<td>2017-02-12 00:00:00</td>
<td>Collect Sample</td>
</tr>
</tbody>
</table>
• The study meta data dialogue will appear:
  NB:
  - CHAIN study number is registered by default as 95 in KIDMS
  - Study serial number section should be populated with the CHAIN Participant’s ID
  - A participant can only be registered once.

Once done, click “submit”
1 - The study meta page will be populated with the most recently added participant on top labeled as 1 below. Cross-check that it is the correct Participant’s ID
2 - To collect samples for a participant click on “Collect Sample”
- A sample collection time point (CTP) dialogue will appear.

- Select the desired time point
- Below is an example of CTP for admission.
- Carefully select the sample collected by checking the respective check box on the left.
- Populate the date and time of sample collection as well as the FWI/clinician initials which will be updated soon based on your site and click on add samples.
(B) Click “home” button in order to exit clinical page. This will lead you to KIDMS main page.

(A) All samples collected will appear on you far right table. All columns will be filled except the “received” column that will be populated with a:
- Y – if samples are received
- N – if samples did not reach the lab or
- R – if a sample was rejected
Click on “laboratory” button
-This will allow you to receive all the registered samples.

This is the starting point for all lab data entry
A drop list will appear

- Select “Received samples” in order to receive registered samples in receive sample page.

- Occasionally, you will use “view samples” selection to lead you to specimen table. This will enable you edit results for samples that you had received before.
To receive a sample, click on “receive” link, highlighted.

Example below shows sample receive process for participant 10009099.
- A sample dialogue box will appear.
- Fill in the date, time the sample was received in the lab, sample volumes and unit except for DBS and Rectal swabs, lab tech initials and whether the sample was received, rejected or not received in the lab. If you select reject sample, please provide the most accurate reason for rejection.
- Then submit

NB: Once a sample is received, this sample will not be listed in receive specimen page.
- A check box will appear. Selected the desired test for the sample
- In the same box a unique sample identifier will appear i.e. the Specimen ID (Replace the barcode number with SP ID on CRF). Record the Specimen ID on the lab CRF
- In order to edit lab results, click on the specimen tab. This will lead you to the specimen page.

To edit an individual sample, click on the specimen id.
- This will lead you into the main sample results editing page.
Below is the main sample editing page. It comprises of:
1- EDIT – This will enable you to enter the date and time of sample processing. You will not be able to operate any other function until this is done
2- ALIQUOT – you will use this tab in order to aliquot stool. KIDMS will give you an option of adding more aliquots
3- SEPARATE – these tab is used when separating blood in to serum or plasma or PBMC. Create the desired number of samples. Remember to edit the remaining sample volume
NB: Each aliquot will have a unique spec id. Always fill it in the CRF.
- Other functions include: EDIT RESULTS, NEW ISOLATE AND NEG RESULTS.
Printing barcode labels and storage of samples

- All the aliquots generated from the mother sample are listed at the bottom of the table.
- Click on each aliquot individually to edit sample processing date and time and store/print the barcode label.
- Edit results to enter new results.
- Click on new isolate or negative results to document results.

Click here to enter results for blood culture, stool microscopy, gram stain, colony count.

Click here to record details of any new isolate or negative results for blood culture and rectal swab culture.

Click here to edit and store the aliquot made from mother sample.
New isolate

Put the new isolate details here i.e. Genus and Species name then you submit.
New isolate tab, AST & ESBL results

1. Enter the quantity of Growth i.e. +1, +2 or +3
2. API results
3. Date of isolate freezing and frozen by
4. Any additional comments in the comments box i.e. hemolytic/non hemolytic organism
5. Enter the zone of inhibition and verify by clicking outside the box and then you then go back to the text box to confirm the results
6. ESBL results are also entered and the interpretation is populated automatically
7. The same applies to both rectal swab and blood culture results.
Edit results button takes you to this page for blood culture

- Edit results button leads you to a screen like this depending on the sample type.
- Populate the required details depending on the sample type and save results.
Barcode printing, Isolate & sample storage screen shot

<table>
<thead>
<tr>
<th>Enterobacteriaceae Panel</th>
<th>Specimen is BLOOD CULTURE</th>
<th>Specimen ID: 1083585</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Species:</strong> Salmonella typhi</td>
<td><strong>Disk Diffusion Sensitivities</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Isolate:</strong> 70743</td>
<td><strong>Antibiotic</strong></td>
<td><strong>Zone</strong></td>
</tr>
<tr>
<td><strong>Study No:</strong> 95</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Study ID:</strong> 44434443</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>API:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Date Frozen:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Frozen By:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Freezer Pos:</strong> Next Free Pos</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Print Barcode:</strong> Print Barcode</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Comment:</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Click here to store

Click here to print barcode for the isolate