

BAOBAB LIMS is an open-source laboratory information management system (LIMS) software that will ensure that researchers can track the lifecycle of a biospecimen in the laboratory from receipt to storage and reuse. This software ensures that sufficient meta-data is captured.

This Fact Sheet describes each of the models developed to produce the BAOBAB LIMS.

A STEP BY STEP GUIDE TO USING BAOBAB LIMS

1. REGISTRATION OF A PROJECT

The client and Biobank register the specifics of a project including: contact person, scope of the genetics study and design.

2. KIT ASSEMBLY

The submission sites (the biobank's clients) orders kits from the biobank based on a particular project to be carried out on a specific case study. For example, blood samples are to be collected to carry out DNA extraction and subsequent analysis.

3. SHIPPING

A shipping manifest. This form is included in the assembled kits. The Client completes this form before shipping the biospecimens to the biobank.



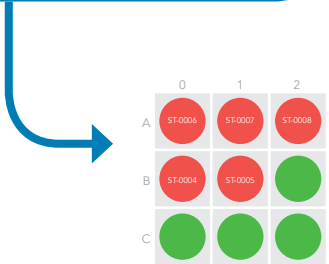
A kit comprising of collection tubes and the associated components prepared for one patient or individual.

4. STORAGE

The storage management contains tabs: Storage units, Managed storage and Unmanaged storage.

5. INVENTORY MANAGEMENT

Stock-items (products) and kit components can be stored in managed or unmanaged storage.

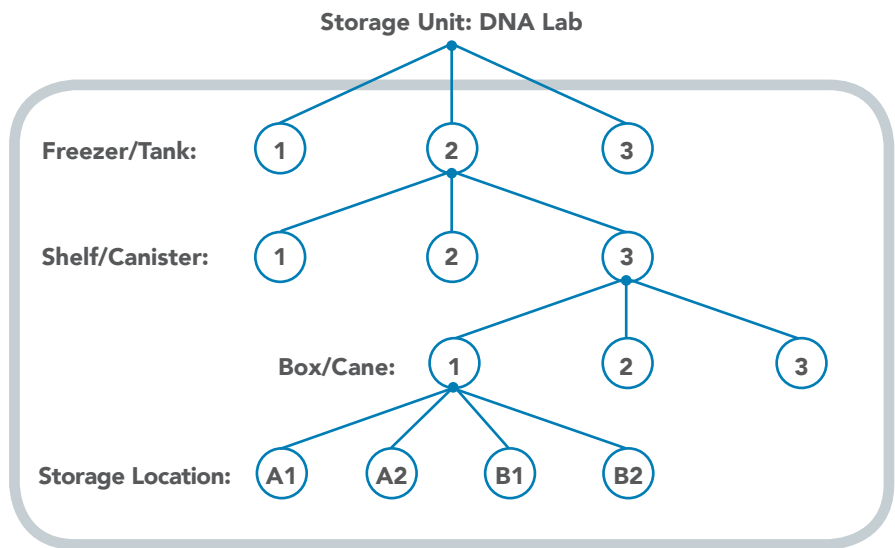


The order in which stock items are stored.



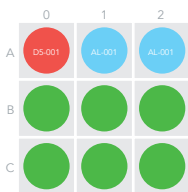
6. FREEZER MANAGEMENT

Unlike inventory management, freezer management follows a certain structure and order for creation.



7. SAMPLE STORAGE MANAGEMENT

The different storage positions for samples. Each circle represents an object position. A state of a position could be "Free", "Reserved" or "Occupied". A circle with a different colour represents each state: Free=green; Reserved=blue and Occupied=Red.



8. BIOSPECIMEN REGISTRATION

The client returns the kits received from the biobank for collection, but this time with biospecimens inside. A biospecimen is a material taken from human body, such as tissue, blood, plasma, stool and urine that can be used for diagnosis and analysis. The biobank staff member opens the kits and registers the biospecimen information into the system using a form.

9. ANALYSIS REQUEST BY CLIENT

The client requests for an analysis to be carried out on specific biospecimens based on the case study on a particular project.

Analyses request form, indicating the essential fields that must be completed by the clients requesting for analyses to be carried out on human specimen.

10. PRINT REPORT AND INVOICING

The reports and billing information are sent to clients.

