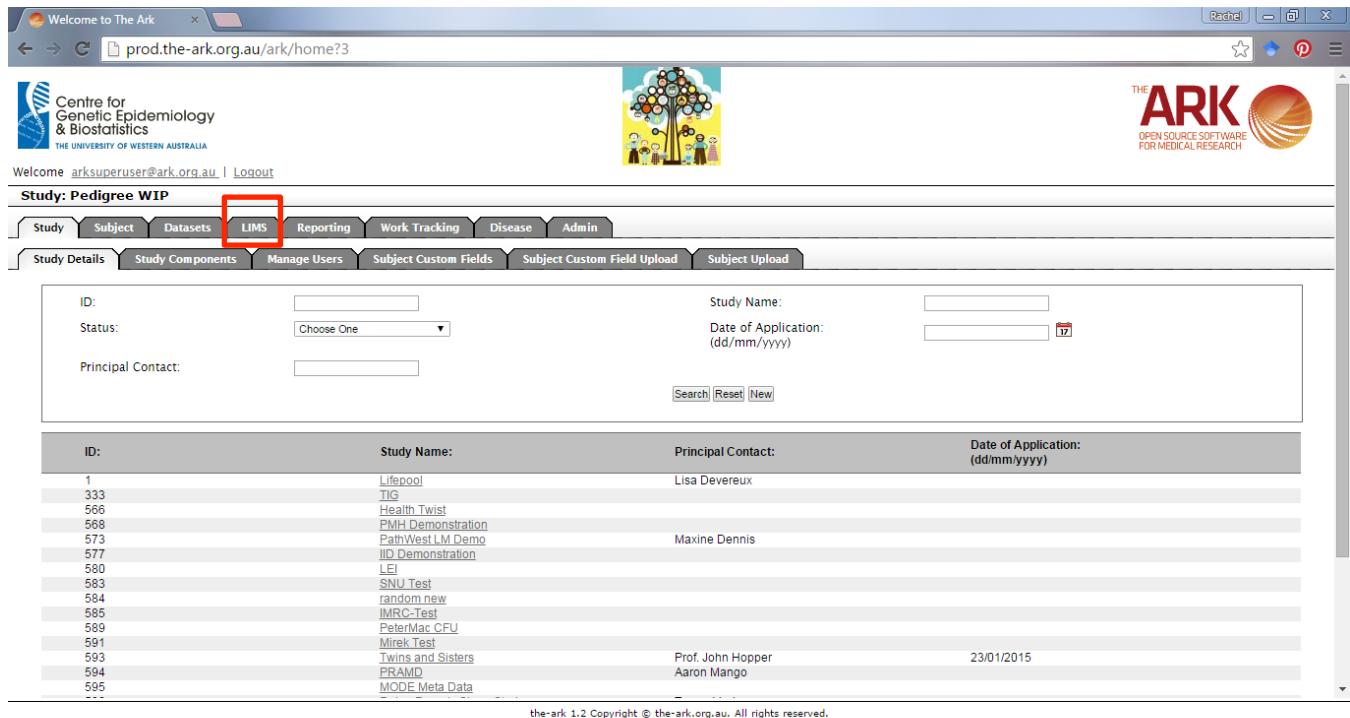


# The Ark Documentation.

## Inventory.

Log in and select your study.

Once you have chosen your study we will see the following functions. Click the LIMS function in the top row.



The screenshot shows the Ark software interface. At the top, there is a navigation bar with tabs: Study, Subject, Datasets, LIMS, Reporting, Work Tracking, Disease, and Admin. The 'LIMS' tab is highlighted with a red box. Below the navigation bar, there are several input fields and dropdown menus. On the left, there is a sidebar with links for Study Details, Study Components, Manage Users, Subject Custom Fields, Subject Custom Field Upload, and Subject Upload. The main area displays a table of study records. The table has columns for ID, Study Name, Principal Contact, and Date of Application (dd/mm/yyyy). The data in the table is as follows:

ID	Study Name	Principal Contact	Date of Application (dd/mm/yyyy)
1	Lifepool	Lisa Devereux	
333	TIG		
566	Health Twist		
568	PMH Demonstration		
573	PathWestLM Demo		
577	IID Demonstration	Maxine Dennis	
580	LEI		
583	SNU Test		
584	random new		
585	IMRC-Test		
589	PeterMac CFU		
591	Mirek Test		
593	Twins and Sisters	Prof. John Hopper	23/01/2015
594	PRAMD	Aaron Mango	
595	MODE Meta Data		

At the bottom of the interface, there is a footer with the text "the-ark 1.2 Copyright © the-ark.org.au. All rights reserved."

The following page will appear. You are already on the Inventory function.

This screenshot shows the 'Inventory' tab selected in the top navigation bar of The Ark software. Below the navigation bar, there is a sub-navigation menu with buttons for 'Add Site', 'Add Freezer', 'Add Rack', 'Add Box', and 'Enable All Empty Cells'. A small icon for 'Unimelb' is also present. The background features a colorful tree graphic and the University of Western Australia logo.

Click Add Site to add a new biospecimen storage site.

This screenshot is identical to the one above, but the 'Add Site' button in the sub-navigation menu is highlighted with a red box, indicating it is the target for the user's click.

The following page will appear.

This screenshot shows the Ark software interface for creating a new site. The top navigation bar includes links for 'Study', 'Subject', 'Datasets', 'LIMS', 'Reporting', 'Work Tracking', 'Disease', and 'Admin'. Below this, tabs for 'Inventory', 'Biospecimen Upload', 'Collection Custom Fields', 'Biospecimen Custom Fields', 'Barcode Labels', 'Collection Custom Field Upload', and 'Biospecimen Custom Field Upload' are visible. The main content area is titled 'Site:' and contains fields for 'ID', 'Name', 'Address', 'Phone', 'Contact', and buttons for 'Save' and 'Cancel'. To the right of these fields is a 'Studies' section with 'Available' and 'Selected' lists. The 'Available' list contains studies like Lifepool, TIG, Health Twist, PMH Demonstration, PathWest LM Demo, and IID Demonstration. A red box highlights the arrow icon between the Available and Selected lists. On the far left, there's a sidebar with buttons for 'Add Site', 'Add Freezer', 'Add Rack', 'Enable All Empty Cells', and a 'Unimelb' link.

Fill in the name, address and phone information for the new site. Select an available study from the list and move to the selected side by clicking on the arrow. When you are finished, click Save.

This screenshot shows the Ark software interface after a study has been selected. The 'Available' list in the 'Studies' section now only contains the 'TIG' study, which is highlighted with a red box. The 'Selected' list is empty. The rest of the interface is identical to the previous screenshot, with the 'Site:' form and 'Studies' section visible.

Once you have saved the new site, an option will appear at the bottom of the page to add a new freezer.

To add a New Freezer, click this button at the bottom of the screen (or on the left of the screen.)

The screenshot shows the 'Site' creation form in The Ark software. At the top, there is a message: "Site Hospital A was created successfully". On the left, there is a sidebar with buttons for "Add Site", "Add Freezer", "Add Rack", and "Enable All Empty Cells". The main form has fields for "ID" (set to 26), "Studies" (with "Available" and "Selected" lists), "Name" (set to "Hospital A"), "Address" (set to "1 Hospital Ave Perth"), "Phone" (empty), "Contact" (empty), and a "Save" button. A red box highlights the "Add Freezer" button at the bottom right of the form.

The following page will appear.

The screenshot shows the 'Site' update form in The Ark software. At the top, there is a message: "Site Hospital A was updated successfully". On the left, there is a sidebar with buttons for "Add Site", "Add Freezer", "Add Rack", and "Enable All Empty Cells". The main form has fields for "Freezer": "ID" (empty), "Name" (empty), "Site" (set to "Hospital A"), "Capacity" (empty), "Description" (empty), "Last Service Date" (empty), "Last Service Note" (empty), "Commission Date" (empty), and "Decommission Date" (empty). A red box highlights the "Add Rack" button at the bottom right of the form.

Fill in the details for the new freezer including name, site, and capacity. When you have finished, click Save.

The screenshot shows the 'The Ark' software interface for managing biological samples. The top navigation bar includes links for 'Study', 'Subject', 'Datasets', 'LIMS', 'Reporting', 'Work Tracking', 'Disease', and 'Admin'. Below this is a secondary navigation bar with tabs for 'Inventory', 'Biospecimen Upload', 'Collection Custom Fields', 'Biospecimen Custom Fields', 'Barcode Labels', 'Collection Custom Field Upload', and 'Biospecimen Custom Field Upload'. A message at the top right indicates that 'Freezer Freezer B was created successfully'. The main form is titled 'Freezer' and contains fields for 'ID' (67), 'Name' (Freezer B), 'Site' (Hospital A), 'Capacity' (20), 'Available' (20), 'Description', 'Last Service Date', 'Last Service Note', 'Commission Date', 'Decommission Date', and 'Save' (button highlighted with a red box). On the left, there is a sidebar with buttons for 'Add Site', 'Add Freezer', 'Add Rack' (button highlighted with a red box), 'Add Box', and 'Enable All Empty Cells'. Below the sidebar, there are icons for 'Unimelb' and 'Hospital A'.

To add a new storage rack to the freezer, select Add Rack.

This screenshot shows the same 'The Ark' software interface as the previous one, but with a different focus. The 'Add Rack' button in the sidebar (highlighted with a red box) has been selected, which has triggered a change in the main form. The message at the top right now says 'Freezer Freezer B was created successfully'. The main form's 'Add Rack' button is also highlighted with a red box. The rest of the form and sidebar are identical to the first screenshot.

The following page will appear.

Welcome to The Ark

prod.the-ark.org.au/ark/home?2

Centre for Genetic Epidemiology & Biostatistics THE UNIVERSITY OF WESTERN AUSTRALIA

THE ARK OPEN SOURCE SOFTWARE FOR MEDICAL RESEARCH

Welcome arksuperuser@ark.org.au | Logout

Study: Pedigree WIP Subject UID: 999

Study Subject Datasets LIMS Reporting Work Tracking Disease Admin

Inventory Biospecimen Upload Collection Custom Fields Biospecimen Custom Fields Barcode Labels Collection Custom Field Upload Biospecimen Custom Field Upload

Add Site Add Freezer  
Add Rack Add Box  
Enable All Empty Cells

+ Unimelb + Hospital A

Rack:

ID:

Name:

Freezer: Choose One \*

Capacity:  \* Available:

Description:

Save Cancel

Add Box

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Fill in the details for the new rack. You can select the site and freezer from the drop-down menu. When you have finished, click Save.

Welcome to The Ark

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Study: Pedigree WIP Subject UID: 999

Study Subject Datasets LIMS Reporting Work Tracking Disease Admin

Inventory Biospecimen Upload Collection Custom Fields Biospecimen Custom Fields Barcode Labels Collection Custom Field Upload Biospecimen Custom Field Upload

Add Site Add Freezer  
Add Rack Add Box  
Enable All Empty Cells

+ Unimelb + Hospital A

Rack:

ID:

Name:

Freezer: Choose One \*   
Choose One  
Unimelb > -80C Test  
Unimelb > A  
Hospital A > Freezer B

Capacity:  \* Available:

Description:

Save Cancel

Add Box

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Welcome to The Ark

prod.the-ark.org.au/ark/home?2

Apps Bookmarks Google Webmail UWA Staff Email GRS ehealth Fitbit UWA library Google Scholar Twitter Google Drive Freedcamp UWA Blackboard Other bookmarks

Centre for Genetic Epidemiology & Biostatistics THE UNIVERSITY OF WESTERN AUSTRALIA

THE ARK OPEN SOURCE SOFTWARE FOR MEDICAL RESEARCH

Welcome arksuperuser@ark.org.au | Logout

Study: Pedigree WIP Subject UID: 999

Study Subject Datasets LIMS Reporting Work Tracking Disease Admin

Inventory Biospecimen Upload Collection Custom Fields Biospecimen Custom Fields Barcode Labels Collection Custom Field Upload Biospecimen Custom Field Upload

» Rack Box C was created successfully

Rack:

ID:	341
Name:	Box C *
Freezer:	Hospital A > Freezer B *
Capacity:	100 *
Available:	100
Description:	(empty)

Save Cancel Delete Add Box

---

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To add a new storage box to the rack, select Add Box.

Welcome to The Ark

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Apps Bookmarks Google Webmail UWA Staff Email GRS ehealth Fitbit UWA library Google Scholar Twitter Google Drive Freedcamp UWA Blackboard Other bookmarks

Centre for Genetic Epidemiology & Biostatistics THE UNIVERSITY OF WESTERN AUSTRALIA

THE ARK OPEN SOURCE SOFTWARE FOR MEDICAL RESEARCH

Welcome arksuperuser@ark.org.au | Logout

Study: Pedigree WIP Subject UID: 999

Study Subject Datasets LIMS Reporting Work Tracking Disease Admin

Inventory Biospecimen Upload Collection Custom Fields Biospecimen Custom Fields Barcode Labels Collection Custom Field Upload Biospecimen Custom Field Upload

» Rack Box C was created successfully

Rack:

ID:	341
Name:	Box C *
Freezer:	Hospital A > Freezer B *
Capacity:	100 *
Available:	100
Description:	(empty)

Save Cancel Delete Add Box

---

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The following page will appear.

Welcome to The Ark

prod.the-ark.org.au/ark/home?2

Centre for Genetic Epidemiology & Biostatistics THE UNIVERSITY OF WESTERN AUSTRALIA

THE ARK OPEN SOURCE SOFTWARE FOR MEDICAL RESEARCH

Welcome arksuperuser@ark.org.au | Logout

Study: Pedigree WIP Subject UID: 999

Study Subject Datasets LIMS Reporting Work Tracking Disease Admin

Inventory Biospecimen Upload Collection Custom Fields Biospecimen Custom Fields Barcode Labels Collection Custom Field Upload Biospecimen Custom Field Upload

Add Site Add Freezer  
Add Rack Add Box  
Enable All Empty Cells

+ Unimelb + Hospital A

Box:

ID:

Name:  \*

Rack: Choose One \*

Rows:  \*

Row Type: Choose One \*

Capacity:

Columns:  \*

Column Type: Choose One \*

Available:

Save Cancel

Batch Allocate Empty Box

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Fill in the details for the new box. You can select the site, freezer and rack from the drop-down menu.

Welcome to The Ark

prod.the-ark.org.au/ark/home?2

Centre for Genetic Epidemiology & Biostatistics THE UNIVERSITY OF WESTERN AUSTRALIA

THE ARK OPEN SOURCE SOFTWARE FOR MEDICAL RESEARCH

Welcome arksuperuser@ark.org.au | Logout

Study: Pedigree WIP Subject UID: 999

Study Subject Datasets LIMS Reporting Work Tracking Disease Admin

Inventory Biospecimen Upload Collection Custom Fields Biospecimen Custom Fields Barcode Labels Collection Custom Field Upload Biospecimen Custom Field Upload

Add Site Add Freezer  
Add Rack Add Box  
Enable All Empty Cells

+ Unimelb + Hospital A

Box:

ID:

Name:  \*

Rack: Choose One

Unimelb > -80C Test > Rack 01 Test

Unimelb > -80C Test > Rack 02

Unimelb > -80C Test > Rack 03

Unimelb > -80C Test > Rack 04

Unimelb > -80C Test > Rack 05

Unimelb > -80C Test > Rack 06

Hospital A > Freezer B > Box C

Columns:  \*

Column Type: Choose One \*

Available:

Save Cancel

Batch Allocate Empty Box

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You can select the Row Type and Column Type (numeric or alphabetic) from the drop-down menu.

Screenshot of the Ark software interface showing the 'Inventory' tab selected. A red box highlights the 'Row Type' dropdown menu, which includes options: Choose One, Choose One, Numeric, and Alphabet.

The 'Row Type' dropdown menu is highlighted with a red box:

- Choose One
- Choose One
- Numeric
- Alphabet

Screenshot of the Ark software interface showing the 'Inventory' tab selected. A red box highlights the 'Column Type' dropdown menu, which includes options: Choose One, Choose One, Numeric, and Alphabet.

The 'Column Type' dropdown menu is highlighted with a red box:

- Choose One
- Choose One
- Numeric
- Alphabet

When you have finished, click Save.