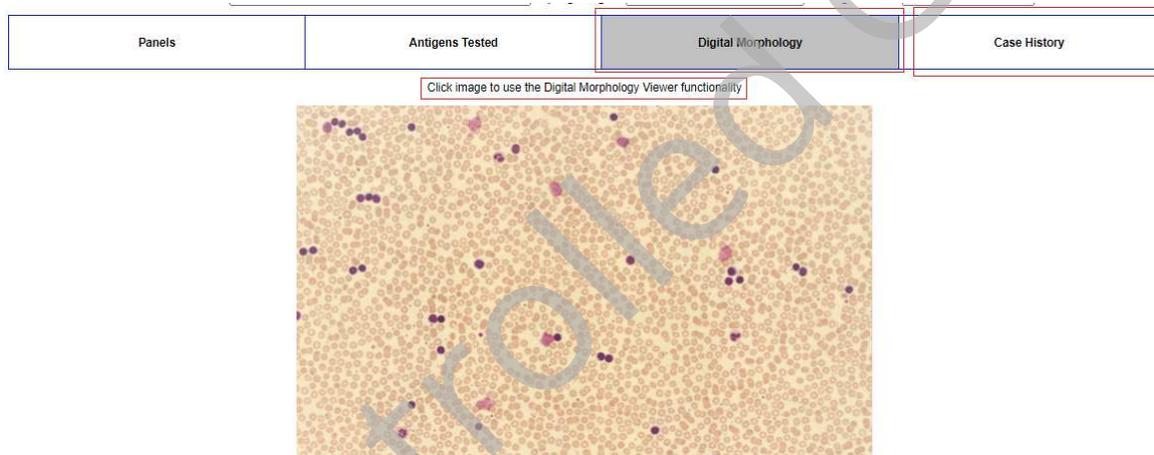


Leukaemia Immunophenotyping (LI) Redesign Guide

Participants can access an exercise by logging into their account on the Participant Hub and selecting the Leukaemia Immunophenotyping (Part 1) programme. Participants can then select the current live exercise. The guide below shows how participants can navigate the data entry to view digital image and case history as well as enter and submit results.

Accessing the Digital Image

Once in a live exercise, participants will see the data entry screen, which contains a digital morphology tab (the third tab out of four), selecting this will show a JPEG image. Clicking on the image will open the digital morphology slide functionality in a new browser tab. Once the new browser tab opens, participants will see the digital morphology slide and will be able to navigate using the controls at the bottom of the window. Participants can access the case history by clicking on the click history tab.



Data Entry

When accessing the data entry section of a new LI exercise, most of the features will be the same- Back, Save and Submit buttons are all in the same place as previously. Date Saved and Date Submitted fields, Distribution Number, Participant Number, Issued and Closing Dates, Detection Method, Lysing Reagent and Gating Question fields will all remain unchanged.

Date Saved: Date Submitted:

Leukaemia Immunophenotyping (Part 1)

Distribution No: 212202 Participant: Issued: 14 July 2021 Closing: 3 August 2021

Date Received: Date Tested:

If you have any additional comments relating to this trial distribution, please email us at admin@ukneqasli.co.uk quoting the distribution no. and your Participant Reference Number (PRN).

Detection Method: Lysing Reagent: Gating Question:

Leukaemia Immunophenotyping (LI) Redesign Guide

There will be a row of tabs consisting of the following- **Panels**, **Antigens Tested**, **Digital Morphology** and **Case History** (the latter will be a duplicate of the information provided on the cover sheet). When opening the data entry screen, the landing page is defaulted to the Antigens Tested Tab (highlighted grey). Please see screenshot below.

The screenshot shows a web interface for data entry. At the top, there are four tabs: 'Panels', 'Antigens Tested' (highlighted in grey), 'Digital Morphology', and 'Case History'. Below the tabs, there is a form with the following elements:

- A dropdown menu for 'Please define your target cell population by the gating strategy (e.g. Blasts, Monocytes, Lymphocytes)' with the option '-- Select a Gating Strategy --'.
- A dropdown menu for 'This case is considered to be a' with the option '-- Select a Disorder if Applicable --' and a note 'disorder and is not tested by this centre.'
- A text input field for 'Panel Name' with the value 'New Panel for Antigen Testing' and a note 'Please select the number of antigens per tube' and 'Change the Panel Name as appropriate and choose the number of Antigens per Tube to generate the data sheet.'
- A note: 'Please note - If any Antigen, Antibody Manufacturer or Fluorochrome is not present in the list, please contact UK NEQAS LI at admin@ukneqasli.co.uk with the details and the appropriate list can be amended. Please include your PRN.'
- A section titled 'Panel Results Entry' with instructions: 'In order to enter Test Results, you need to create, edit or select an existing Panel to generate the Tube Antigen records you require for this Trial. You can also do this by clicking on the Panels Tab. Select an existing Panel and click Use Panel or click New Panel to generate the Tube Antigen records you require for this Trial.'
- A dropdown menu for 'Panel' with the option '-- Select a Panel or create a New one--' and two buttons: 'Use Panel' and 'New Panel'.

The **Panels tab** will show a list of panels that have been saved from previous exercises, they can then be amended in between exercise as needed; this functionality is still under development.

This document is in two parts- Part One is for entering results for a new exercise using a new panel. Part Two is for entering results for a new exercise using an existing panel (if applicable to the case).

To enter results for a new exercise with a new panel, participants will be required to enter results under the Antigens Tested tab. Please follow the steps in Part One of this document to enter and submit results using a new panel. This panel can then be saved and will be available for use in future exercises if applicable to the case.

To enter results for a new exercise with an existing panel, participants will be required to enter results under the Antigens Tested tab. Please follow the steps in Part Two of this document to enter and submit results using an existing panel.

PART ONE- ENTERING RESULTS USING A NEW PANEL

To add a new panel via the Antigens Tested tab and enter results, participants should follow the following steps (Please see screenshot below for steps 1-5):

Step 1- Select **gating strategy** by clicking on the drop-down list.

Step 2- Select the **disorder type**, if applicable from the drop-down list options. This is useful if normal practice would be to refer certain case types to another laboratory. Please ignore this if you will be submitting results for this exercise.

Leukaemia Immunophenotyping (LI) Redesign Guide

Step 3- Click on **new panel**, this button will then disappear, the panel name and drop-down list to select the number of antigens per tube will be activated.

Step 4- Panel Name- Participants will need to give their panel a name, e.g., Acute; by typing this in the box provided. This name and the panel information can be saved and will be available to use for future exercises if applicable.

Step 5- Please select the number of antigens per tube Use the drop-down list to select the number of antigens per tube that you will be testing for; you will be able to select up to 15 antigens. This will generate the data entry sheet made up of 7 columns, each column with rows corresponding to the number of antigens selected. These will automatically be assigned to tube 1. Participants can put a tick in the tick box to indicate if this tube is a **screening tube**.

The screenshot displays the 'Antigens Tested' section of the software interface. At the top, there are four tabs: 'Panels', 'Antigens Tested' (which is active), 'Digital Morphology', and 'Case History'. Below the tabs, there are several input fields and dropdown menus for configuring the panel. A 'Panel Name' field contains 'New Panel for Antigen Testing'. A dropdown menu for 'Antigens per tube' is set to '6'. Below this, there is a table for 'Tube 1' with an 'Add Tube' button. The table has a 'Screening Tube' checkbox and a 'Testing Information' field. The main data entry table has 6 rows and 7 columns: '#', 'Antigen', 'Result', 'Intensity', 'Antibody Manufacturer', 'Clone', and 'Fluorochrome'. Each cell in the table contains a dropdown menu for selection.

For steps 6-7 Please see screenshot below-

Step 6- Testing information- participants can enter information relating to the constitution of the panel, such as individual antibodies, in-house cocktail, commercially manufactured cocktails or lyophilised tubes in the space provided.

Step 7- Participants can proceed to enter their results in the data entry sheet generated. There are 7 columns in this sheet.

Column 1 is **#** - this will indicate the number of antigens you have selected for tube 1.

Column 2 is **Antigen**- use the drop-down list to select your antigens in tube 1.

Column 3 is **Result**- use the drop-down list to select whether your result is positive or negative for your selected antigen. Please note, this field is mandatory so participants will have to make a selection before being able to save or submit their results.

Leukaemia Immunophenotyping (LI) Redesign Guide

Column 4 is **Intensity**- use the drop-down list to select from a list of absent, weak, and strong. Please note, this field is mandatory so participants will have to make a selection before being able to save or submit their results.

Column 5 is **Antibody Manufacturer**- select the manufacture from the drop-down list.

Column 6 is **Clone**- please enter the clone for the antibody used. This information is useful during data analysis, especially so when there are discrepancies in the same antibodies from different manufacturers. Participants will not need to change this for subsequent exercises unless a different clone to the one saved is used. In future exercises, there will be a drop-down list to select from as we build a collection of clones on our database.

Column 7 is **Fluorochrome**- use the drop-down list to select the fluorochrome used for the antibody.

The screenshot shows a web interface for data entry. At the top, there are two tabs: 'Tube 1' and 'Add Tube'. Below the tabs, there is a 'Screening Tube' checkbox and a 'Testing Information' text input field. The main area contains a table with the following columns: '#', 'Antigen', 'Result', 'Intensity', 'Antibody Manufacturer', 'Clone', and 'Fluorochrome'. Each row in the table has a corresponding dropdown menu for each of these columns. The 'Add Tube' tab is currently selected, and the table is empty.

Participants can add a second tube by clicking on the **Add Tube** tab (Please see screenshot below). When selected this will create a **Tube 2** tab. The number of antigens per tube will default to the number selected in tube 1. Use the drop-down list to change this if it is different. You can then enter your results for tube 2 as described in step 7 above. Participants can enter results for a total of ten tubes by using the Add Tube tab.

To remove a tube, click on the tube number you want to remove, this will highlight the tube in grey, then click on the **Remove Tube** tab. A prompt will ask for confirmation to remove the selected tube, confirm this by clicking on OK or cancel to abort removing the selected tube. Any data entered in the tube that has been removed will be lost.

Leukaemia Immunophenotyping (LI) Redesign Guide

The screenshot shows the UK NEQAS Leucocyte Immunophenotyping interface. At the top, there is a navigation bar with 'UK NEQAS Leucocyte Immunophenotyping', 'Trials/Data Entry', 'My Details', and 'Actions'. A confirmation dialog box is open, asking 'Please confirm that you wish to remove Tube 2?' with 'OK' and 'Cancel' buttons. Below the dialog, there are tabs for 'Tube 1', 'Tube 2', 'Add Tube', and 'Remove Tube'. The 'Tube 2' tab is active. Below the tabs, there is a 'Screening Tube' checkbox and a 'Testing Information' field. A table with 6 rows and 6 columns is displayed. The columns are: '#', 'Antigen', 'Result', 'Intensity', 'Antibody Manufacturer', 'Clone', and 'Fluorochrome'. Each cell in the table contains a dropdown menu with the text '-- Select an Antigen --', '-- Select a Result --', '-- Select an Intensity --', '-- Select a Manufacturer --', and '-- Select a Fluorochrome --' respectively.

If an antigen, antibody manufacturer or fluorochrome is not listed in the drop-down list, please contact us.

Clicking on **Save** at the top for the first time during data entry will come up with a prompt asking participants if they wish to save this Panel for future use. Please click on OK for the data entered in this panel to be saved. This panel will then be available for use in future exercises if applicable. If participants click on cancel, this panel will not be saved and hence will not be available for use in future exercises.

The screenshot shows the UK NEQAS Leucocyte Immunophenotyping interface. At the top, there is a navigation bar with 'UK NEQAS Leucocyte Immunophenotyping', 'Trials/Data Entry', 'My Details', 'Actions', and 'Contact'. A confirmation dialog box is open, asking 'Do you wish to save this Panel for future use?' with 'OK' and 'Cancel' buttons. Below the dialog, there are buttons for 'Back', 'Save', and 'Submit'. There are also fields for 'Date Saved:' and 'Date Submitted: Not Submitted'.

Once participants have made the selection to save or not save panel for future use, another prompt follow asking for participants to click on OK to Save Data; participants can click on OK to save the data they have entered so far or click on cancel to not save any of the data at all.

The screenshot shows the UK NEQAS Leucocyte Immunophenotyping interface. At the top, there is a navigation bar with 'UK NEQAS Leucocyte Immunophenotyping', 'Trials/Data Entry', 'My Details', 'Actions', and 'Contact'. A confirmation dialog box is open, asking '*** Press OK to Save Data ***' with 'OK' and 'Cancel' buttons. Below the dialog, there are buttons for 'Back', 'Save', and 'Submit'. There are also fields for 'Date Saved:' and 'Date Submitted: Not Submitted'.

Saved results can be found and reviewed under the **Antigens Tested** tab. If data entry is interrupted, participants should ensure that any results they wish to keep have been saved before they click on the back button as results that have not been saved will be lost. Once participants are satisfied that they have entered all data, they should select **Submit** to send results to UK NEQAS LI (Please see screenshot below).

Leukaemia Immunophenotyping (LI) Redesign Guide

Please note, at exercise closure, **all** saved results will be automatically transmitted to UK NEQAS LI but cannot be processed so participants should ensure that they submit their results before or on the closing date.

The screenshot shows a navigation bar with a 'Back' button on the left, and 'Save' and 'Submit' buttons on the right. To the right of these buttons are two input fields: 'Date Saved:' and 'Date Submitted:'. Below the navigation bar is the title 'Leukaemia Immunophenotyping (Part 1)' and a summary line: 'Distribution No: 99999 Participant: Issued: 6 November 2020 Closing: 13 November 2020'.

If participants have used tested for the same antigen in several tubes, then for performance monitoring purposes, they will be asked which tube's results they wish to be used for this purpose. For example, if CD45 is tested for in tubes 1-4, when selecting submit there will be a dialogue box asking participants to select the tube whose results, they would like to be used for performance monitoring. (Please see screenshot below)

The 'Scoring Issues' dialog box contains the following text: 'The antigen(s) listed below have been selected for use in more than 1 Tube'. Below this is the instruction: 'Can you please indicate which Tube should be used for scoring each Antigen, then click Submit.' and 'If you need to review your input data, click Cancel, and then Submit again when you are ready'. At the bottom are 'Submit' and 'Cancel' buttons. Below the buttons is a table with two columns: 'Antigen' and 'Tube'.

| Antigen | Tube |
|-------------------------|-------------------|
| CD117 | -- Select Tube -- |
| CD34 | -- Select Tube -- |
| HLADR | -- Select Tube -- |
| CD45 | -- Select Tube -- |
| -- Select an Antigen -- | -- Select Tube -- |

Clicking on the Select Tube drop-down list against CD45 will list the tubes in which this antigen has been tested for. Participants can then select the tube they want to be used for performance monitoring from the list (Please see screenshot below). If unsure, participants can click on cancel in order to review their data again.

All the antigens tested for in more than one tube will be listed in the dialogue box, and this stage will have to be completed for all antibodies displayed.

Leukaemia Immunophenotyping (LI) Redesign Guide

Scoring Issues

The antigen(s) listed below have been selected for use in more than 1 Tube

Can you please indicate which Tube should be used for scoring each Antigen, then click Submit.

If you need to review your input data, click Cancel, and then Submit again when you are ready

The screenshot shows a form with two columns: 'Antigen' and 'Tube'. There are four rows of input fields. The first three rows have 'CD117', 'CD34', and 'HLADR' in the 'Antigen' column and a dropdown menu with '-- Select Tube --' in the 'Tube' column. The fourth row has 'CD45' in the 'Antigen' column and a dropdown menu with '-- Select Tube --' in the 'Tube' column. The dropdown menu is open, showing options: 'Tube 1', 'Tube 2', 'Tube 3', and 'Tube 4'. There are 'Submit' and 'Cancel' buttons at the top. A red box highlights the 'CD45' antigen and its corresponding dropdown menu.

Participants can then click on submit after they have made the selections above (if applicable) to send their results to UK NEQAS LI. Please note, once submitted, results cannot be modified.

PART TWO- ENTERING RESULTS USING THE USE PANEL BUTTON

To enter results for a new exercise with an existing panel, participants will be able to enter results via the Antigens Tested tab by selecting the **use panel button**.

Participants should please follow the steps below.

Step 1- Select **gating strategy** by clicking on the drop-down list.

Step 2- Select the **disorder type**, if applicable from the drop-down list options. This is useful if normal practice would be to refer certain case types to another laboratory. Please ignore this if you will submitting results for this exercise.

The screenshot shows the 'Antigens Tested' tab in a software interface. It has four tabs: 'Panels', 'Antigens Tested', 'Digital Morphology', and 'Case History'. Below the tabs, there are two dropdown menus. The first is labeled 'Please define your target cell population by the gating strategy (e.g. Blasts, Monocytes, Lymphocytes)' and has a dropdown menu with '-- Select a Gating Strategy --'. The second is labeled 'This case is considered to be a' and has a dropdown menu with '-- Select a Disorder if Applicable --'. Below this is the text 'disorder and is not tested by this centre.'

Step 3- Select the panel from the panel drop down list (this will list panels that have been used and saved previously by your laboratory).

In order to enter Test Results, you need to create, edit or select an existing Panel to generate the Tube Antigen records you require for this Trial. You can also do this by clicking on the Panels Tab

Select an existing Panel and click Use Panel or click New Panel to generate the Tube Antigen records you require for this Trial.

The screenshot shows a dropdown menu for selecting a panel. The dropdown menu is open, showing options: '-- Select a Panel or create a New one--', '-- Select a Panel or create a New one--', and '42626 Acute panel'. There are 'Use Panel' and 'New Panel' buttons next to the dropdown menu.

Step 4- Click on the use panel button which will come up with a prompt asking for confirmation to use the selected panel for entering results on the current exercise.

Leukaemia Immunophenotyping (LI) Redesign Guide

Step 5- Click on the OK button to proceed with using the selected panel or click on the cancel button to return to the previous page. Upon clicking OK to use a previously saved panel, if a participant changes their mind and wants to submit results using a new panel, they can do so by clicking on the back button as long as no data has been saved with the selected panel. Please note- once data has been saved using a previous panel, participants can no longer enter results by creating a new panel, although it is possible to amend the current panel to fit the results they wish to submit.

UK NEQAS
Leucocyte Immunophenotyping

Trials/Data Entry My Details Actions Contact

www.ukneqasli.org says
Are you sure that you wish to generate Tube Antigens for Distribution 212202 results using Panel 42626 Acute panel Tube Antigen data?
You can click the Back button at any time to cancel this selection. You will not be able to change the Panel used after clicking Save or Submit

Back Save Submit

Leukaemia Immunophe

Distribution No: 212202 Participant: Issued: 14 July 2021 Closing: 3 August 2021

Date Received: Date Tested:

If you have any additional comments relating to this trial distribution, please email us at admin@ukneqasli.co.uk quoting the distribution no. and your Participant Reference Number (PRN).

Detection Method: -- Select a Machine -- Lysing Reagent: -- Select a Method -- Gating Question: -- Select a Method --

| Panels | Antigens Tested | Digital Morphology | Case History |
|--------|-----------------|--------------------|--------------|
|--------|-----------------|--------------------|--------------|

Please define your target cell population by the gating strategy (e.g. Blasts, Monocytes, Lymphocytes) -- Select a Gating Strategy --

This case is considered to be a -- Select a Disorder if Applicable -- disorder and is not tested by this centre.

Panel Name: New Panel for Antigen Testing Please select the number of antigens per tube Change the Panel Name as appropriate and choose the number of Antigens per Tube to generate the data sheet.

Please note - If any Antigen, Antibody Manufacturer or Fluorochrome is not present in the list, please contact UK NEQAS LI at admin@ukneqasli.co.uk with the details and the appropriate list can be amended. Please include your PRN

Panel Results Entry
In order to enter Test Results, you need to create, edit or select an existing Panel to generate the Tube Antigen records you require for this Trial. You can also do this by clicking on the Panels Tab. Select an existing Panel and click Use Panel or click New Panel to generate the Tube Antigen records you require for this Trial.

Panel: 42626 Acute panel Use Panel New Panel

Upon clicking OK to use the selected panel, the panel details will be shown (Please see screenshot below). The panel name field will contain the name of the selected panel. The data entry sheet will default to the information in tube 1 from previously saved data. The number of antigens per tube will also default to the number of antigens per tube in tube 1. The Antigen, Antibody Manufacturer and Fluorochrome columns will all be populated with previously saved data from the panel in use.

Step 6- Participants can proceed to enter their results in the data entry sheet generated. There are 7 columns in this sheet. The data entry sheet will default to the information in tube 1 from previously saved data. The number of antigens per tube will also default to the number of antigens previously stated to be tested for in tube 1. To change this, if required, use the drop-down list against the **Please select the number of antigens per tube** field to select the desired number.

Leukaemia Immunophenotyping (LI) Redesign Guide

Column 1 is **#** - This will indicate the number of antigens selected for tube 1; this information will be from the previously stored panel.

Column 2 is **Antigen**- This field will be pre-populated with data from the selected panel for tube 1. You can change an antigen by using the drop-down list to select the desired one. All the antigens in tube 1 can be changed if required.

Column 3 is **Result**- use the drop-down list to select whether your result is positive or negative for your selected antigen. Please note, this field is mandatory so participants will have to make a selection before being able to save or submit their results.

Column 4 is **Intensity**- use the drop-down list to select from a list of absent, weak, and strong. Please note, this field is mandatory so participants will have to make a selection before being able to save or submit their results.

Column 5 is **Antibody Manufacturer**- This field will be pre-populated with data from the selected panel. If an Antibody Manufacturer has changed for a particular selected Antigen being tested for, please use the drop-down list to select the correct Antibody Manufacturer.

Column 6 is **Clone**- please enter the clone for the antibody used. This information is useful during data analysis, especially so when there are discrepancies in the same antibodies from different manufacturers.

Column 7 is **Fluorochrome**- This field will be pre-populated with data from the selected panel. If an a Fluorochrome has changed for a particular selected Antigen being tested for, please use the drop-down list to select the correct Fluorochrome.

| # | Antigen | Result | Intensity | Antibody Manufacturer | Clone | Fluorochrome |
|---|---------|-----------------------|---------------------------|-----------------------|-------|--------------|
| 1 | HLADR | -- Select a Result -- | -- Select an Intensity -- | eBioscience | | FITC |
| 2 | CD117 | -- Select a Result -- | -- Select an Intensity -- | Diatec | | PE |
| 3 | CD15 | -- Select a Result -- | -- Select an Intensity -- | Dianova | | PerCP-CY5.5 |
| 4 | CD33 | -- Select a Result -- | -- Select an Intensity -- | eBioscience | | PE-CY7 |
| 5 | CD34 | -- Select a Result -- | -- Select an Intensity -- | Dianova | | APC |
| 6 | CD45 | -- Select a Result -- | -- Select an Intensity -- | BD Biosciences | | APC-H7 |

Step 7- Participants can then proceed to enter results for the remaining tubes simply by selecting the tab for the appropriate tubes and following the process in Step 5. The number of antigens per tube, the Antigen, the Antibody Manufacturer and the Fluorochrome data can all be changed as described in Step 5.

Leukaemia Immunophenotyping (LI) Redesign Guide

Participants can add extra tube(s) to a selected panel if required. This can be done by clicking on the **Add Tube** tab (Please see screenshot below). This will create an extra tube in numerical order to the last tube in the panel, in this example Tube 6. Please note the number of antigens per tube will default to the number selected in the previous tube, in this example Tube 5. Use the drop-down list to change the number of antigens for this tube if it is different.

Please note, the columns in any additional tubes will not be pre-populated with data as they did not exist in the panel selected for use. Participants can then enter their results for the added tube by populating the Antigen, Result, Intensity, Antibody Manufacturer, Clone and Fluorochrome columns with data.

Participants can enter results for a total of ten tubes by using the Add Tube tab.

Panel Name Please select the number of antigens per tube Change the Panel Name as appropriate and choose the number of Antigens per Tube to generate the data sheet

Please note - If any Antigen, Antibody Manufacturer or Fluorochrome is not present in the list, please contact UK NEQAS LI at admin@ukneqasli.co.uk with the details and the appropriate list can be amended. Please include your PRN

| Tube 1 | Tube 2 | Tube 3 | Tube 4 | Tube 5 | Tube 6 | Add Tube | Remove Tube |
|--|-------------------------|-----------------------|---------------------------|-----------------------------|----------------------|-----------------------------|-------------|
| Screening Tube <input type="checkbox"/> Testing Information <input type="text"/> | | | | | | | |
| # | Antigen | Result | Intensity | Antibody Manufacturer | Clone | Fluorochrome | |
| 1 | -- Select an Antigen -- | -- Select a Result -- | -- Select an Intensity -- | -- Select a Manufacturer -- | <input type="text"/> | -- Select a Fluorochrome -- | |
| 2 | -- Select an Antigen -- | -- Select a Result -- | -- Select an Intensity -- | -- Select a Manufacturer -- | <input type="text"/> | -- Select a Fluorochrome -- | |
| 3 | -- Select an Antigen -- | -- Select a Result -- | -- Select an Intensity -- | -- Select a Manufacturer -- | <input type="text"/> | -- Select a Fluorochrome -- | |
| 4 | -- Select an Antigen -- | -- Select a Result -- | -- Select an Intensity -- | -- Select a Manufacturer -- | <input type="text"/> | -- Select a Fluorochrome -- | |
| 5 | -- Select an Antigen -- | -- Select a Result -- | -- Select an Intensity -- | -- Select a Manufacturer -- | <input type="text"/> | -- Select a Fluorochrome -- | |
| 6 | -- Select an Antigen -- | -- Select a Result -- | -- Select an Intensity -- | -- Select a Manufacturer -- | <input type="text"/> | -- Select a Fluorochrome -- | |

To remove a tube, click on the tube number you want to remove, this will highlight the tube in grey, then click on the **Remove Tube** tab. A prompt will ask for confirmation to remove the selected tube (please see screenshot below), confirm this by clicking on OK or cancel to abort removing the selected tube.

Any data entered in the tube that has been removed will be lost.

UK NEQAS Leucocyte Immunophenotyping [Trials/Data Entry](#) My Details Actions Contact www.ukneqasli.org says

Please confirm that you wish to remove Tube 6 ?

Date Saved: Date Submitted:

Leukaemia Immunophenotyping (Part 1)

Distribution No: 212202 Participant: Issued: 14 July 2021 Closing: 3 August 2021

Date Received: Date Tested:

If you have any additional comments relating to this trial distribution, please email us at admin@ukneqasli.co.uk quoting the distribution no. and your Participant Reference Number (PRN).

Detection Method: Lysing Reagent: Gating Question:

| Panels | Antigens Tested | Digital Morphology | Case History | | | | |
|--|--|---|--------------|--------|--------|----------|-------------|
| Please define your target cell population by the gating strategy (e.g. Blasts, Monocytes, Lymphocytes) <input type="text"/> | | | | | | | |
| This case is considered to be a <input type="text"/> disorder and is not tested by this centre. | | | | | | | |
| Panel Name <input type="text" value="42626 Acute panel"/> | Please select the number of antigens per tube <input type="text" value="6"/> | Change the Panel Name as appropriate and choose the number of Antigens per Tube to generate the data sheet. | | | | | |
| Please note - If any Antigen, Antibody Manufacturer or Fluorochrome is not present in the list, please contact UK NEQAS LI at admin@ukneqasli.co.uk with the details and the appropriate list can be amended. Please include your PRN | | | | | | | |
| Tube 1 | Tube 2 | Tube 3 | Tube 4 | Tube 5 | Tube 6 | Add Tube | Remove Tube |

If an antigen, antibody manufacturer or fluorochrome is not listed in the drop-down list, please contact us.

Leukaemia Immunophenotyping (LI) Redesign Guide

Clicking on **Save** at the top will save any entered information and will allow users to come back at a later time to amend or add results. Saved results can be found and reviewed under the **Antigens Tested** tab. If data entry is interrupted, participants should ensure that any results they wish to keep have been saved before they click on the back button as results that have not been saved will be lost. Once participants are satisfied that they have entered all data, they should click on the **Submit** button to send results to UK NEQAS LI (Please see screenshot below). Please note, at exercise closure, **all** saved results will be automatically transmitted to UK NEQAS LI but cannot be processed so participants should ensure that they submit their results before or on the closing date.

UK NEQAS
Leucocyte Immunophenotyping

Trials/Data Entry My Details Actions Contact

www.ukneqasli.org says
** Press OK to Save Data **

OK Cancel

Back Save Submit

Date Saved:
Date Submitted: Not Submitted

Leukaemia Immunophenotyping (Part 1)

Distribution No: 212202 Participant: Issued: 14 July 2021 Closing: 3 August 2021

If participants have used tested for the same antigen in several tubes, then for performance monitoring purposes, they will be asked which tube's results they wish to be used for this purpose. For example, if CD45 is tested for in tubes 1-4, when selecting submit there will be a dialogue box asking participants to select the tube whose results, they would like to be used for performance monitoring. (Please see screenshot below)

Scoring Issues

The antigen(s) listed below have been selected for use in more than 1 Tube

Can you please indicate which Tube should be used for scoring each Antigen, then click Submit.

If you need to review your input data, click Cancel, and then Submit again when you are ready

Submit Cancel

| Antigen | Tube |
|-------------------------|-------------------|
| CD117 | -- Select Tube -- |
| CD34 | -- Select Tube -- |
| HLADR | -- Select Tube -- |
| CD45 | -- Select Tube -- |
| -- Select an Antigen -- | -- Select Tube -- |

Leukaemia Immunophenotyping (LI) Redesign Guide

Clicking on the Select Tube drop-down list against CD45 will list the tubes in which this antigen has been tested for. Participants can then select the tube they want to be used for performance monitoring from the list (Please see screenshot below). If unsure, participants can click on cancel in order to review their data again.

All the antigens tested for in more than one tube will be listed in the dialogue box, and this stage will have to be completed for all antibodies displayed.

| Antigen | Tube |
|-------------------------|---|
| CD117 | -- Select Tube -- |
| CD34 | -- Select Tube -- |
| HLADR | -- Select Tube -- |
| CD45 | -- Select Tube -- Tube 1 Tube 2 Tube 3 Tube 4 |
| -- Select an Antigen -- | |

Participants can then click on submit after they have made the selections above (if applicable) to send their results to UK NEQAS LI. Please note, once submitted, results cannot be modified.

For assistance and support when using the new data entry page please contact UK NEQAS LI directly at – admin@ukneqasli.co.uk.