

China User Testing



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Methodology: Instrument

Lab setup

English

First, let's take a look at a user interface we might use to set up a lab. For this task, imagine you have just opened the software for the first time.

Ready to start?

2

[show first screen]

首先,让我们看看用来设置实验室的用户界面。假设您现在第一 次打开这个软件。

准备好了?

[显示第一个屏幕]

中文

What would you do on this first screen? English

What do you think is meant by tracking reagent and

calibrator lots?

你会在第一个屏幕上做什么?

你认为"通过您的试剂和校准品批号跟踪结果"什么 意思?

请添加一个地点。

Methodology: Prototype

BIO RAD Unity

中华医疗中心 / 化学 / AU680

② 王小明







←Liquichek™ 非定值生化质控品







Methodology: Scale of success

- Easily able to complete step/identify action
- Able to complete step/identify action with hesitation
- Unable to complete step/identify action





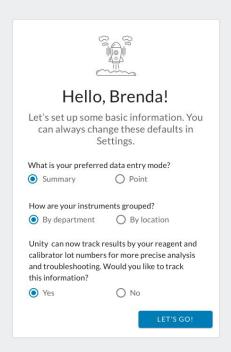


Lab setup discovery

- Is it clear why the user has landed on this screen?
- Is the workflow self-apparent?
- Are important features findable?
- Is the setup sufficiently customizable?
- Are next steps clear?



BIO RAD Unity



Understood purpose of this screen

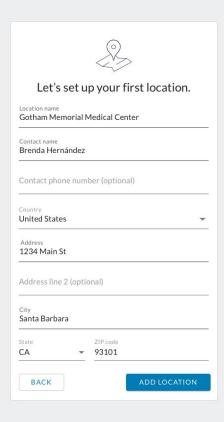


Understood significance of tracking reagent/calibrator lots





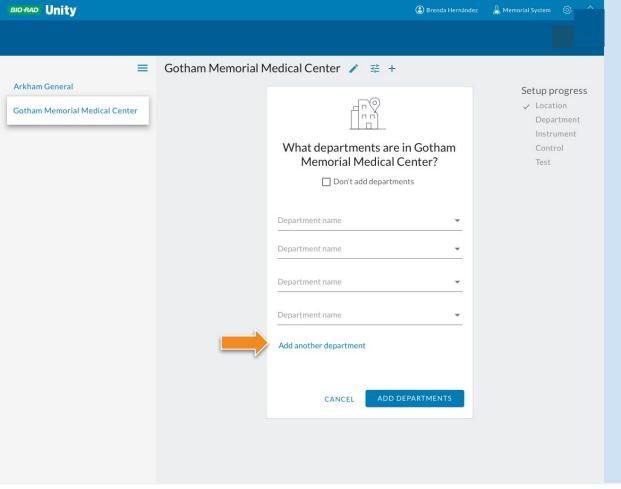
BIO RAD Unity



Understood how to add location



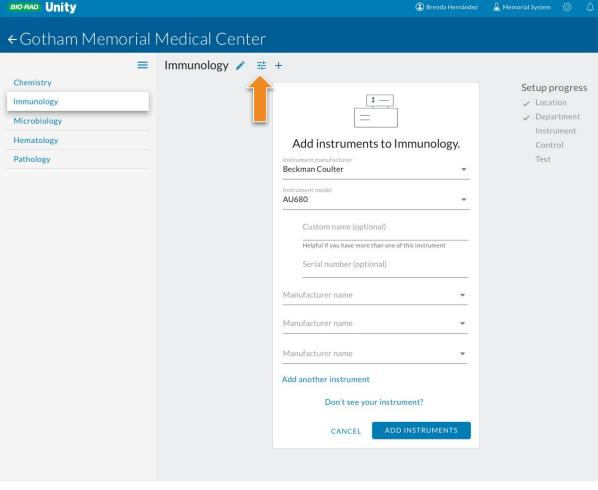




Understood how to add an additional department



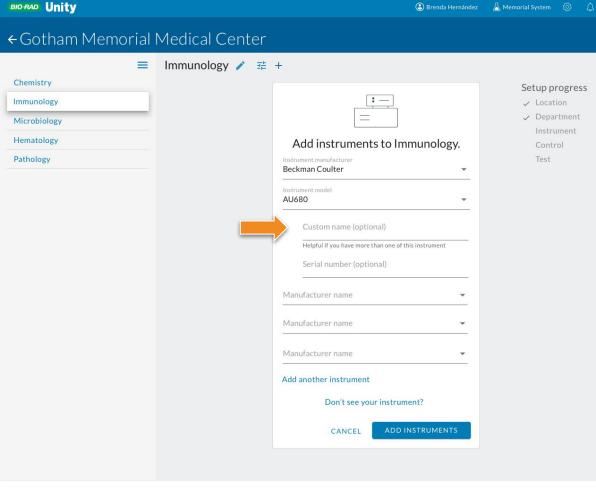




Understood where to edit instrument settings later



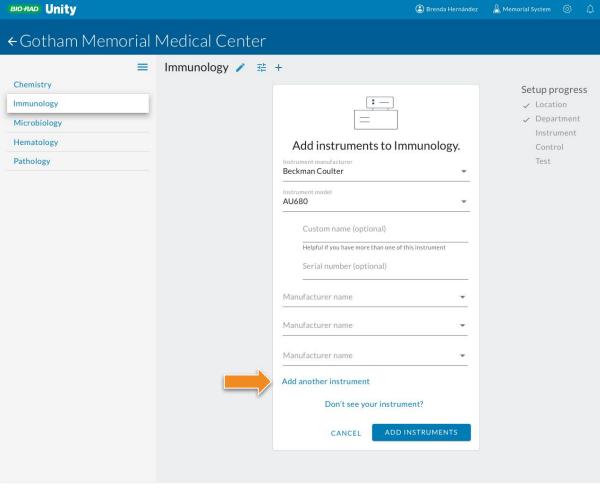




Understood how to use custom name field



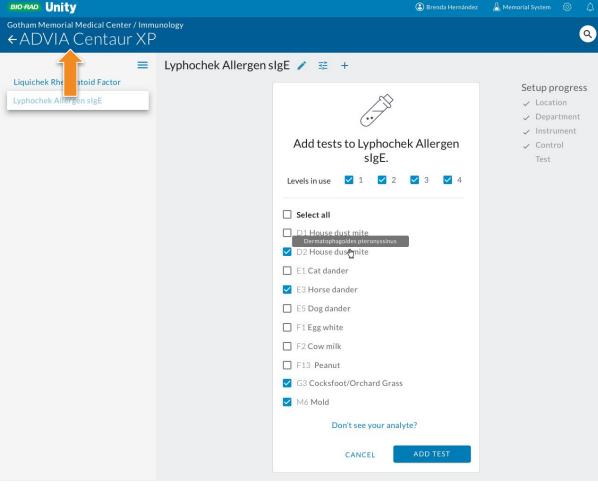




Understood how to add another instrument





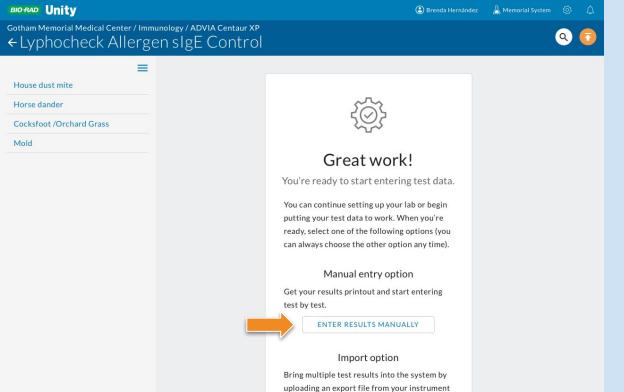


Understood how to navigate hierarchy: instruments



Setup progress indicator causing confusion. When it's not present, users are more easily able to use top navigation.





or LIS.

IMPORT MULTIPLE RESULTS

Understood how to proceed after completing setup





Lab setup findings

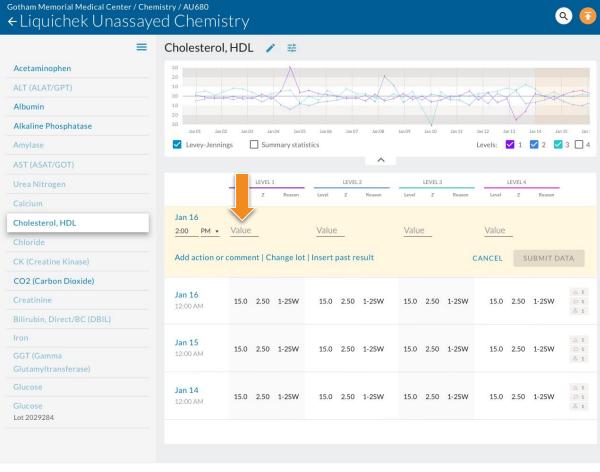
- Overall good workflow results
- Confusion over navigation
- Rework edit/settings access
- Rethink progress indicator



Data entry discovery

- Is the main purpose of the screen apparent?
- Is the workflow clear?
- Are additional details readily available?
- Is iconography clear?
- Are important features findable?





Brenda Hernández

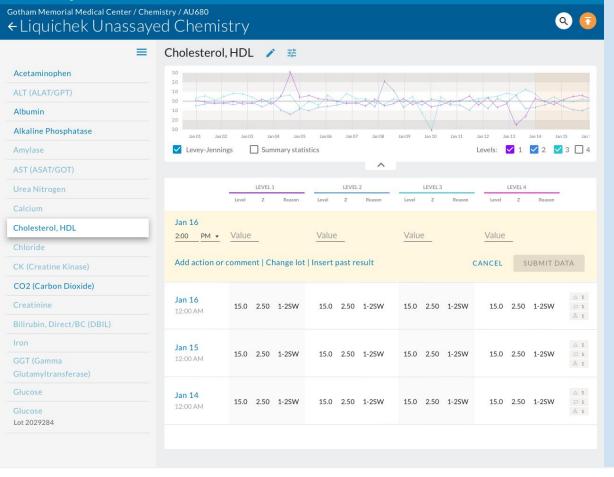
A Memorial System

Understood purpose of this screen



Data entry may not be the main purpose some use this screen. It's unclear how often users would really access this for analysis once there is a dashboard. LJ chart dominates and distracts users.





Brenda Hernández

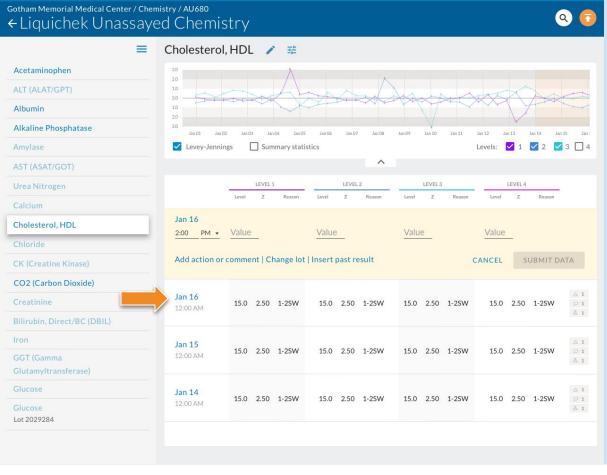
A Memorial System

Could see how to add a test run



"Insert past result" is confusing users. They think this may be how to add a test run.





Understood difference between past results and entering today's results



A Memorial System

Brenda Hernández

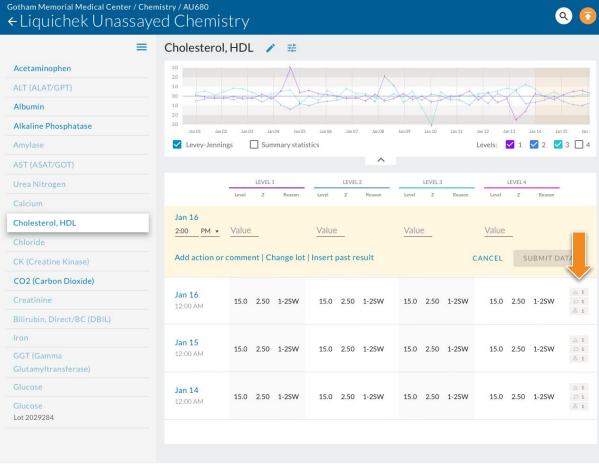
Some confusion caused by headers not being fixed; this is a limitation of flat files. Finished software will have pinned headers.

Could see how to view additional details on a past test run



The visual dominance of the LJ chart causes many users to think of it as a primary way to access details.





Understood iconography for changes, comments and user action history



A Memorial System

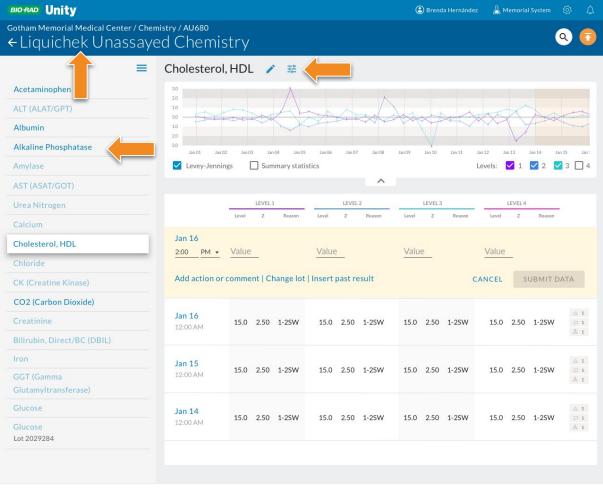
Brenda Hernández

Most users understood user and comment icons. None understood change icon.

Understood how to view comments







Understood different treatments for analytes with/without data



Understood where to go to change settings such as rules

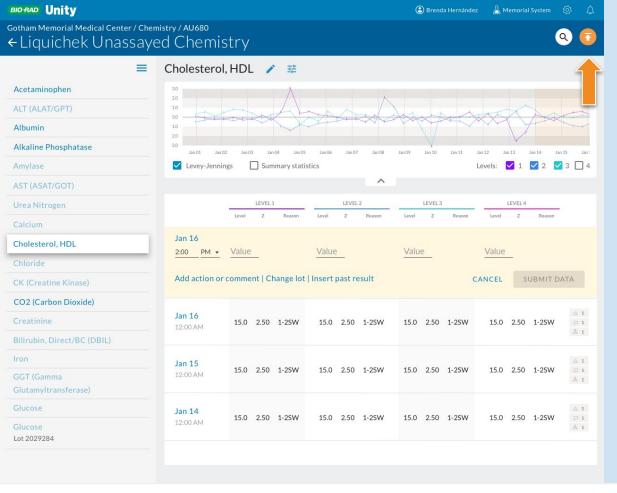


Understood how to navigate to another control



The concept of hierarchy doesn't seem to be clear at first; users often want to find something by clicking on a sibling.

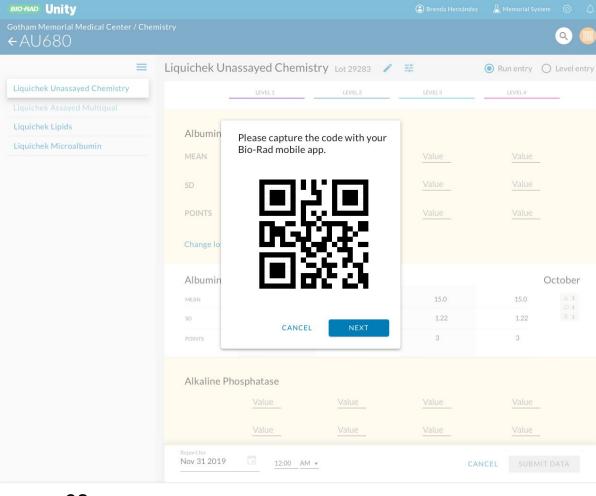




Can initiate QR code process







Understood what to do with QR code





Data entry findings

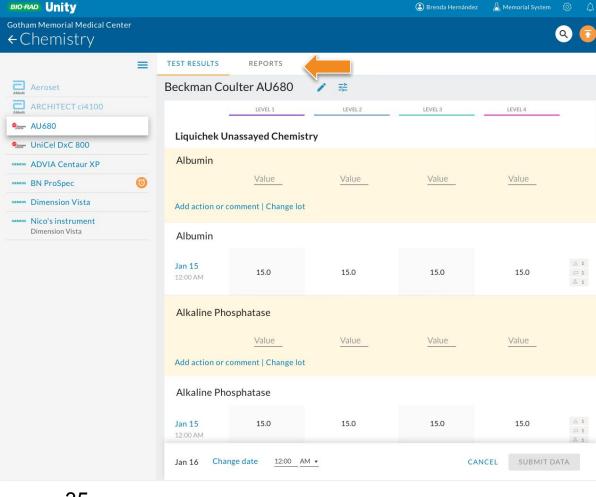
- Iconography issues for navigation
- LJ chart dominates viewer cognition
- Hierarchy unclear
- Confusion as to how to enter a test run



Reports discovery

- Able to find where reports are?
- Able to generate a default report?
- Able to distinguish between different states of reports?
- Able to find an existing report?



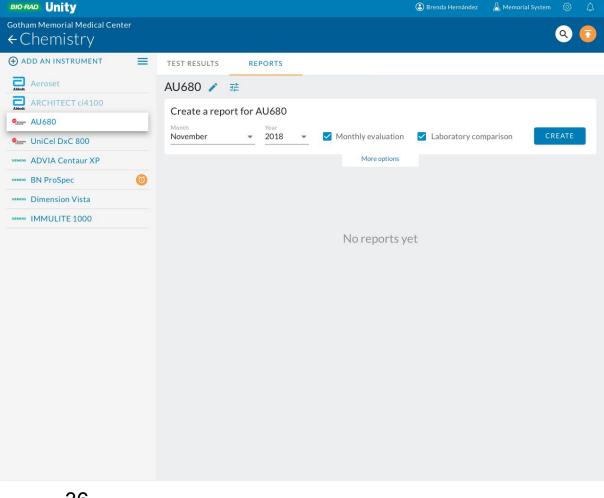


Understands where to find reports



User 5 did not participate in the reports section of study due to time constraints.





Understands how to create a report

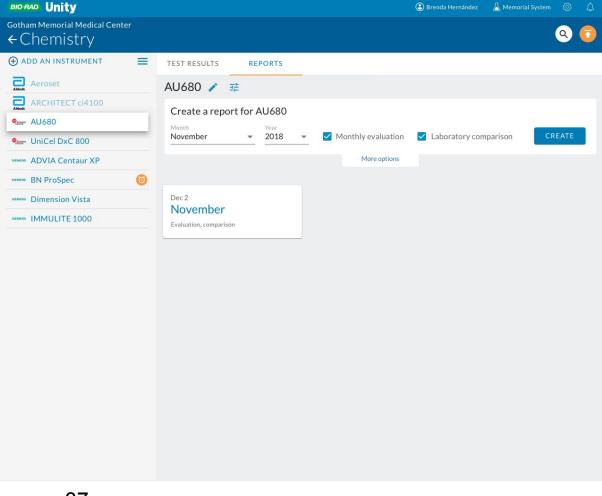


Users sometimes wanted to create a report on a specific date range. Exactly how this report would be used, or the usefulness of such a report, is not immediately clear.

Understands what happens when a report is created (comes into view)



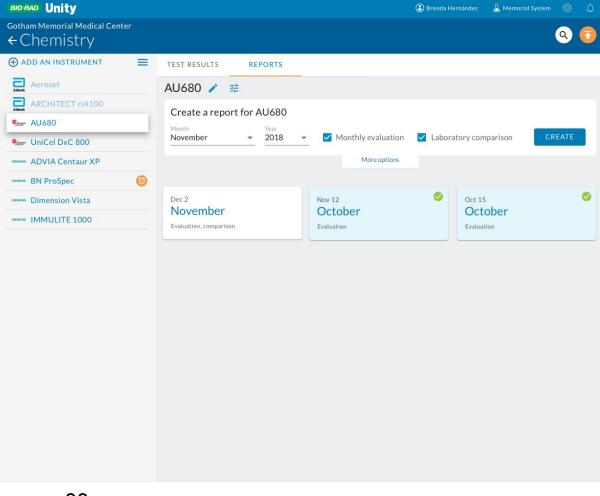




Understands how to view a report





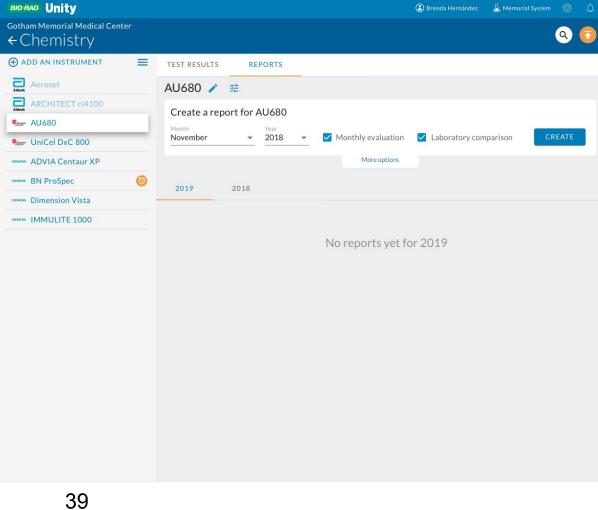


Understands difference in report states



This task was included to explore options in case we needed to differentiate between report status, e.g., approved/not approved. User assumptions were diverse. If we eventually need to differentiate report types/status, it will need to be more explicit.





Understands how to access reports from past years





Reports findings

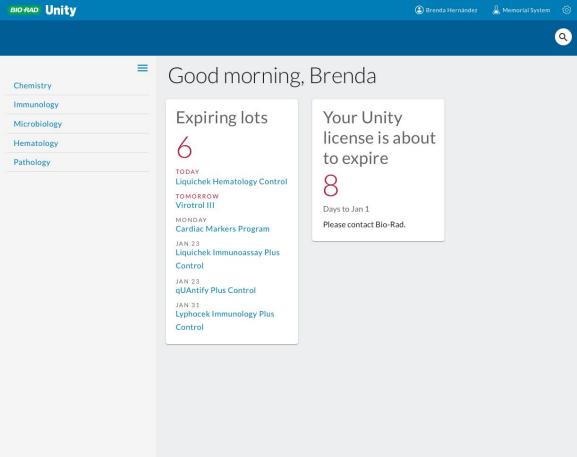
- Overall users found the reports section easy to find and understand.
- Differentiation between report status/type would need expensive reworking if it becomes necessary.



Dashboard discovery

- Can users identify general purpose of the dashboard?
- What do they expect on clicking action items?
- How would the user continue to main application functionality from the dashboard?





Understands basic purpose of dashboard

Q



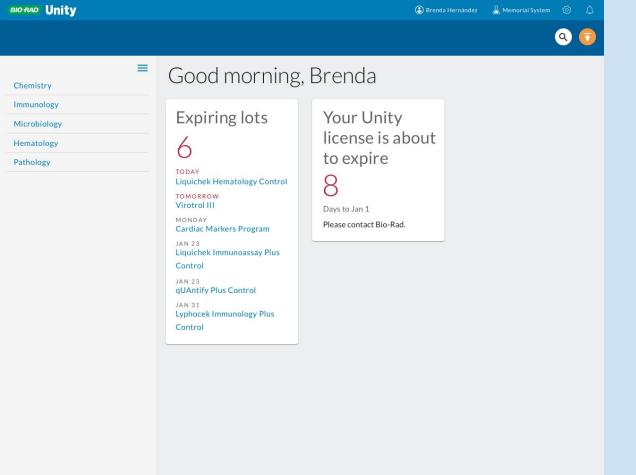
User 5 did not participate in the dashboard section of study due to time constraints.

Understands what would happen if user clicks on a link



Users expected information about the lot's expiration. In reality, they would be able to not only get information but also act on it.





Understands meaning of license expiration



Understands how to get to a data entry page from dashboard





Dashboard findings

 Users found dashboard easy to understand and use.





Next steps

- Revise UIs to address issues discovered
- Adapt questionnaire to allow benchmarking/tracking of progress for upcoming studies in other locales
- Develop CCL screens for testing in China
- Work with China team on localization



