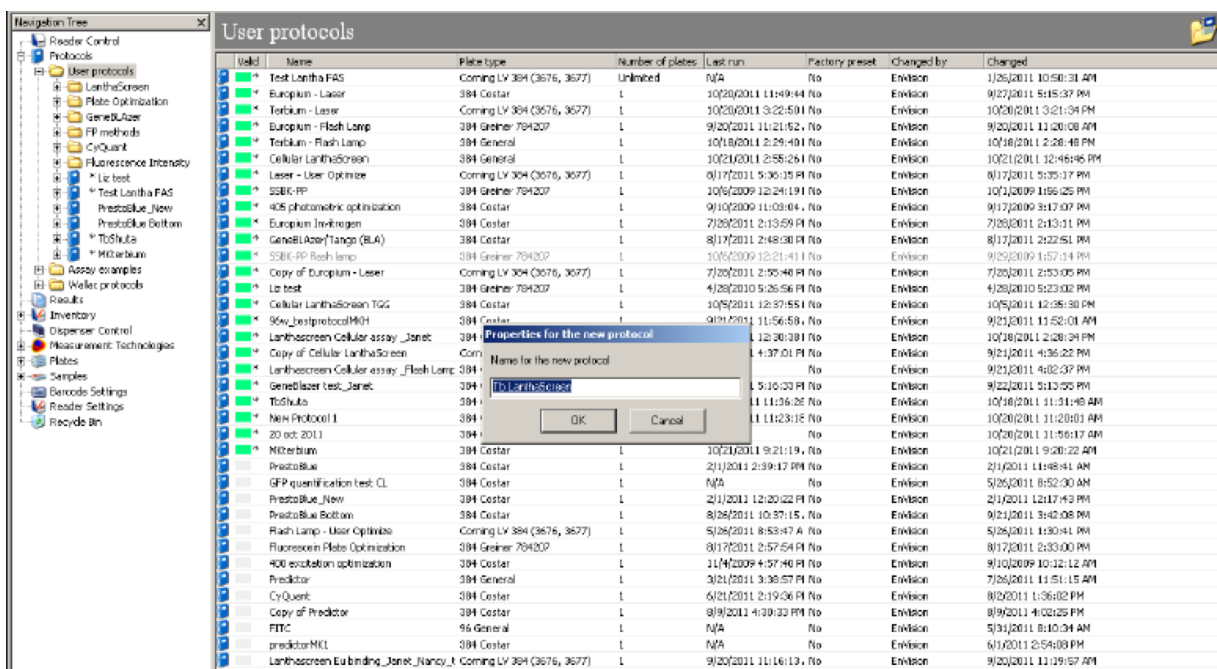
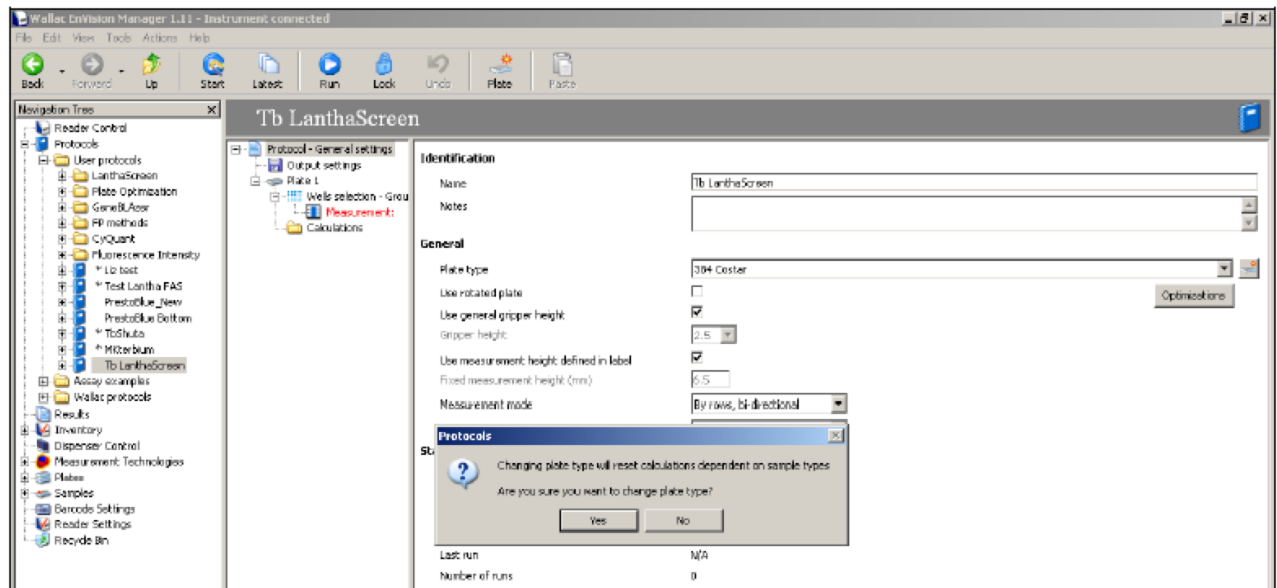


SOP: To Create, your run protocol, optimize and run an assay. For more details please see the USER MANUAL provided.

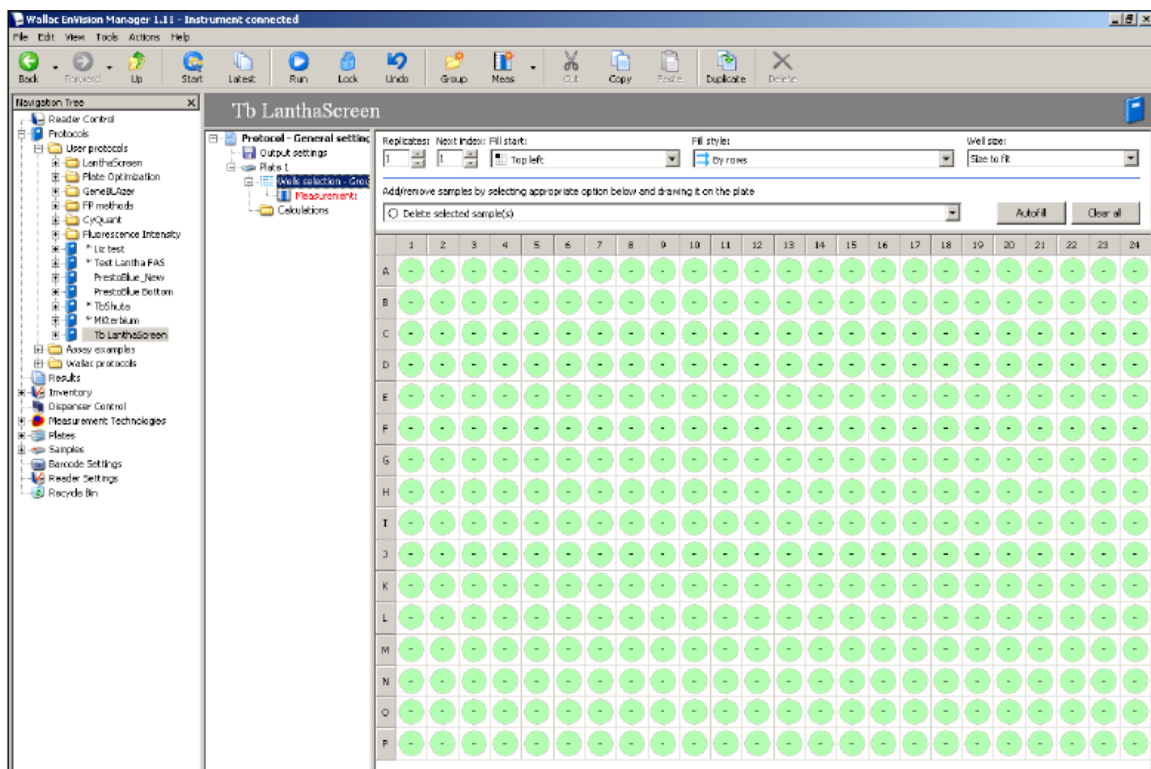
1. Log in with your Yale Net ID and Password, open Envision Software Manager on the computer.
2. Under Protocols, Create a New Folder with your name. Right Click to select “New Protocol”.
3. Follow the prompt and enter a name for the protocol, click OK.



4. The new protocol will open immediately.
5. From the Protocol menu near the center of the screen: go to “General Settings” and enter your plate type.

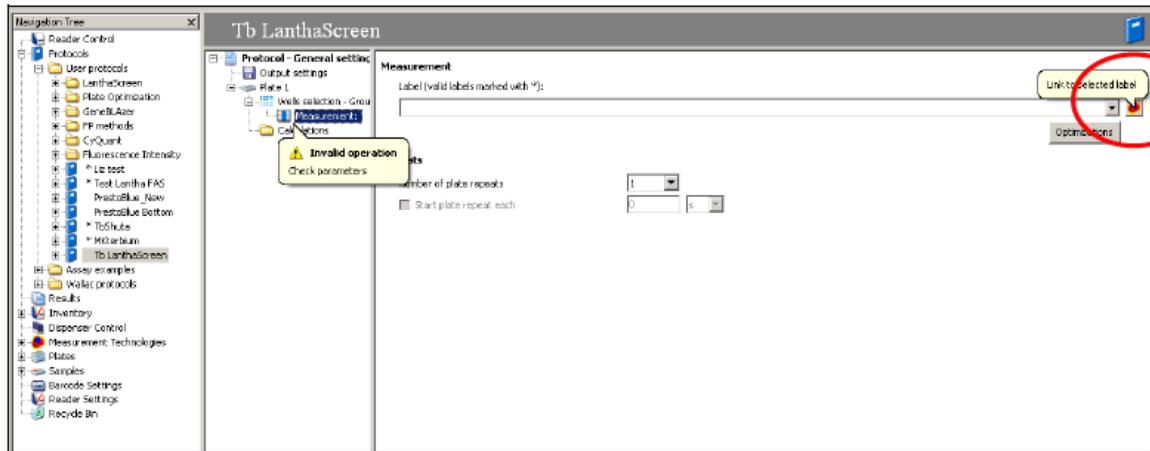


- Now select "Well Selection". A new screen will appear with a plate schematic, allowing you to use the drop down tool bar to define your wells as needed. (Controls or Blanks for auto subtraction, if you chose).

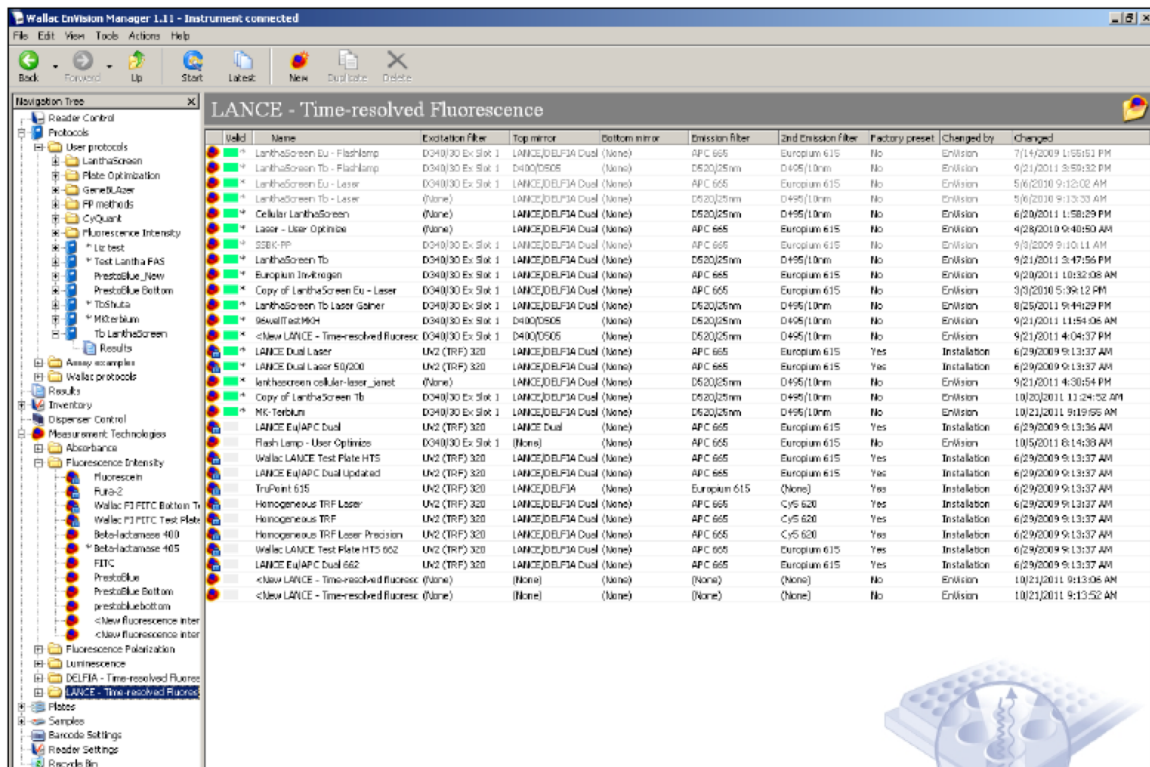


- Right click on "Well Type" to reveal several different activities (Measurement, Kinetics, Shaking, Temperature Control).

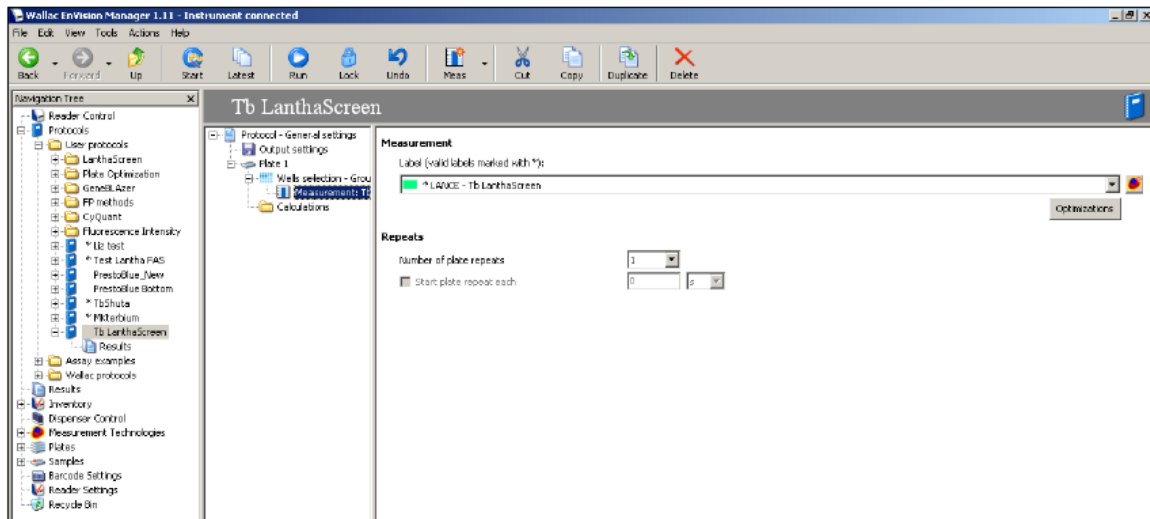
8. Select “Measurement” in the protocol window and select the correct filter set. To do this, select the small icon to the right of the drop down assay list (circled). Valid Measurements are indicated with an asterisk next to them.



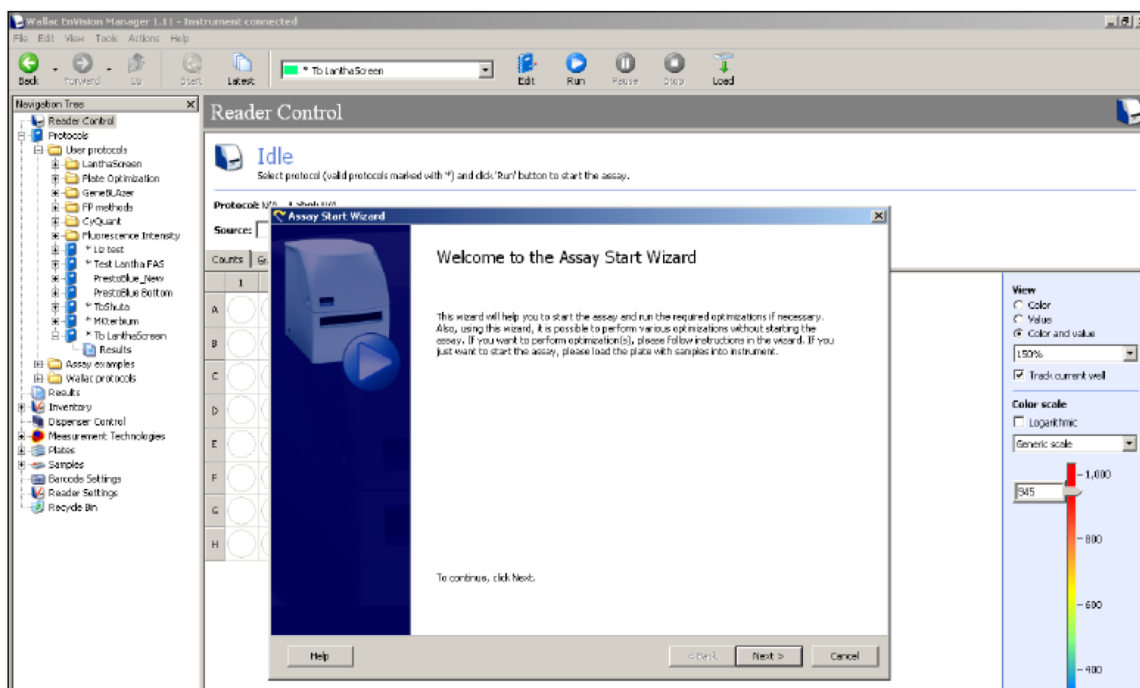
9. A list of preloaded read protocols will appear on the left side of the screen. From the list on the left click “measurement technologies” and method of choice. If your measurement is not available in the list, you can create your own by first duplicating an existing measurement.



10. A new window will open for with the measurement parameters.
11. For kinetic runs, choose number of repeats and time intervals per repeat.



12. When finished, select “start” button at the top of the screen. It will take you through the optimization wizard. The optimization protocol standardizes the sample height and gain for your specific assay.
13. The assay wizard will open automatically. Select “optimize existing protocol”, then select “Next”. Select the protocol you want to optimize and follow the directions on the screen



14. When complete, your protocol will be optimized and ready to run.
15. After the assay is complete, please reload tray (Load Button on top of screen).
Exit the Envision software by closing the full envision software.
16. Log out of your account.