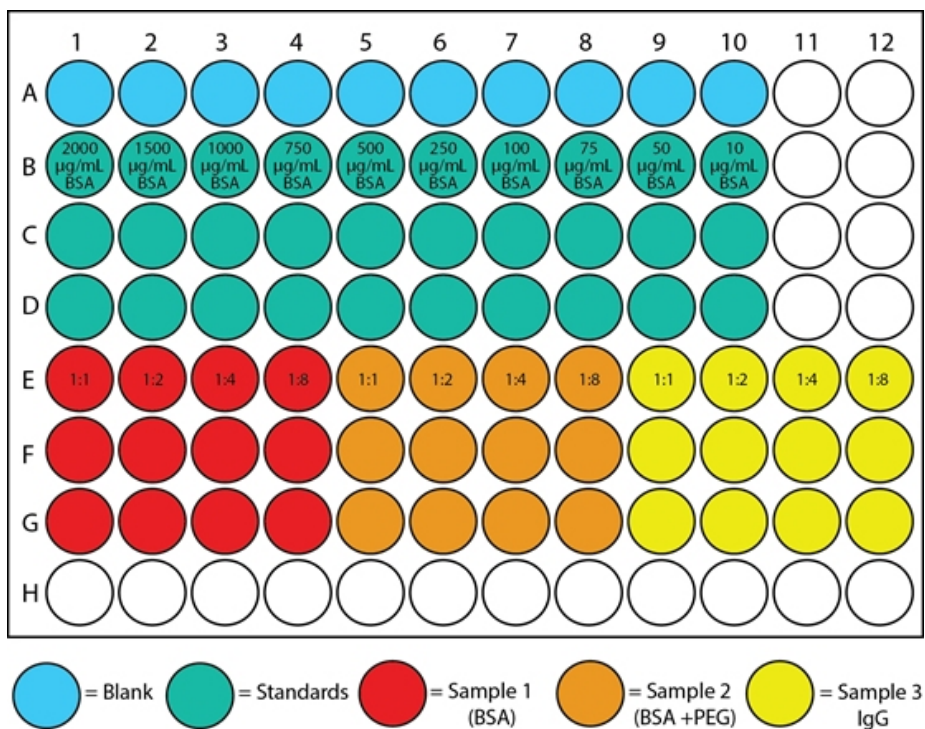


## Varioskan LUX Plate Reader

### Preparation

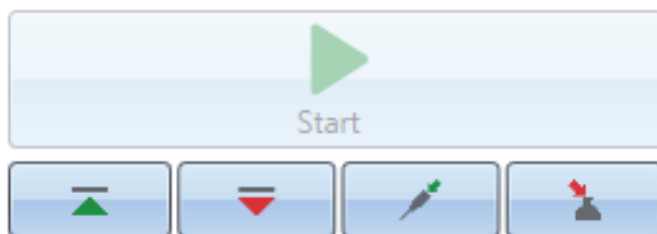
1. Pipette your samples in an appropriate scheme on a well plate. An example scheme from the undergrad labs is shown below. Include blanks, standards, and your sample



### Acquisition

2. Start the **SkaniIt** software on the attached PC
3. Click **Other instrument types** and select **New session for Varioskan LUX**

4. Select **Plate Layout** from the tree on the left
5. In the **Plate template** dropdown menu, select the appropriate plate for analysis, most likely **Corning, U-bottom, 96-well**
6. Populate the wells in the software according to their sample type. You can drag the cursor to populate multiple wells
7. Select **Protocol** in the session tree and click **Absorbance**, **Fluorescence**, **Luminescence**, or **TRF** depending on your assay. Input the appropriate parameters, e.g. measurement wavelength for **Absorbance**
8. *Optional* Select **Protocol** in the session tree to change measurement order and delay
9. *Optional* Select **Report** to customize the output of your results
10. In the bottom left of the window, click the button with the red arrow to eject the plate reader tray



11. Insert the plate into the tray **with the lid off**. Leaving the lid on will cause a jam
12. Click the button with the green upwards arrow to insert the plate into the instrument
13. Click **Start** to begin the assay. Save your experiment with the appropriate directory and filename

## Reporting

14. Under the **Report** branch, click **Summary**. From the top right, select your desired reporting format to export.

For more information see the full instruction manuals at

<https://assets.thermofisher.com/TFS-Assets/LCD/manuals/Varioskan-LUX-Technical-Manual.pdf>

and

<https://assets.thermofisher.com/TFS-Assets/LCD/manuals/Varioskan-LUX-User-Manual.pdf>