How to Read a Plate in DISCOVERY WORKBENCH® 4.0

Image Capture Toolbar
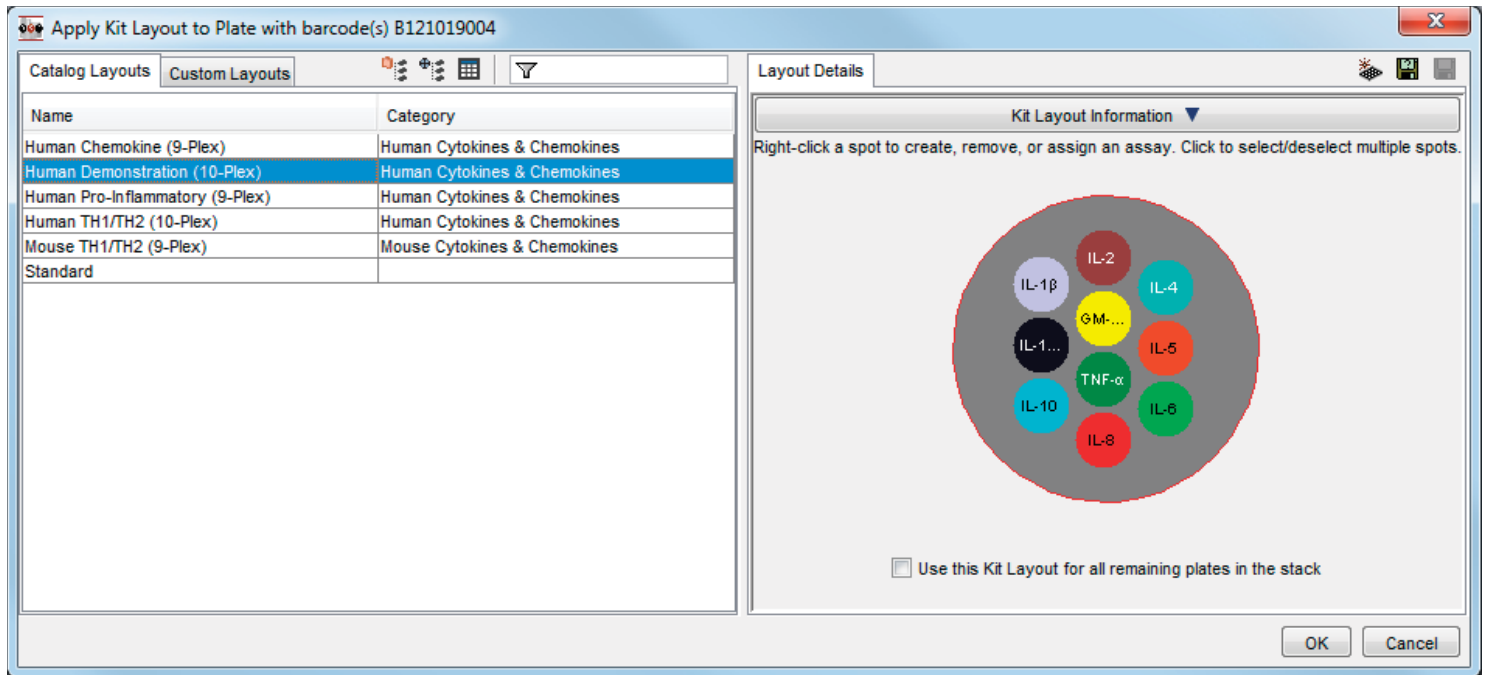

Instrument Status

Connect to Sector Imager
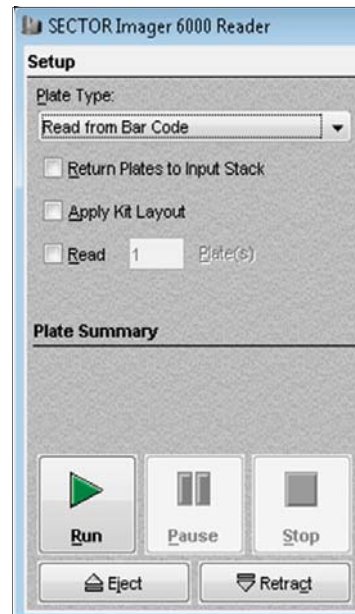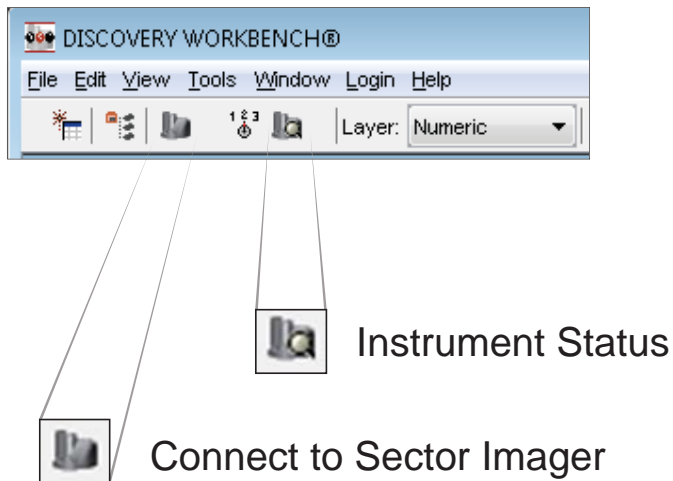
To read a whole plate (NO KIT LAYOUT)

1) Launch DISCOVERY WORKBENCH
2) Connect to the imager
3) Check instrument status
4) Select Read from Bar Code
5) If reading 1 plate:
   a. Click Return Plate to Input Stack
   b. Click Read 1 Plate
6) If reading multiple plates:
   a. Do NOT select Return Plate to Input Stack
   b. Optional: select # of plates being read
7) Do NOT select Apply Kit Layout
8) Click Run
9) Confirm Set-up is correct (top section)
10) Provide a Run Name (optional)
11) Decide which export formats to use
12) Browse to Select Output Path
13) Click OK to begin imaging the plate

To read a partial plate (NO KIT LAYOUT)

1) Launch DISCOVERY WORKBENCH
2) Connect to the Imager
3) Check instrument status
4) Select the type of plate being imaged from the Plate Type drop-down
5) Click Read 1 Plate
6) Click Partial Plate (box appears after plate type is selected, step 4)
7) Select sectors to be imaged on the plate overview (white sectors are read)
8) Do NOT select Apply Kit Layout
9) Click Run
10) Confirm Set-up is correct (top section)
11) Provide a Run Name (optional)
12) Decide which export formats to use
13) Browse to Select Output Path
14) Click OK to begin imaging the plate

To read a whole plate using a kit layout:

1) Launch DISCOVERY WORKBENCH

2) Connect to the imager

3) Check instrument status

4) Select Read from Bar Code

5) If reading 1 plate:
   a. Click Return Plate to Input Stack
   b. Click Read 1 Plate

6) If reading multiple plates:
   a. Do NOT select Return Plate to Input Stack
   b. Optional: select # of plates being read

7) Select Apply Kit Layout

8) Click Run

9) Confirm Set-up is correct (top section)

10) Provide a Run Name (optional)

11) Decide which export formats to use

12) Browse to Select Output Path

13) Click OK to begin Imaging the plate

14) The Apply Kit Layout to Plate window will open, populated with Kit Layouts that match the type of plate being read. Select the desired Kit Layout from the list on the left

15) Select or deselect Use This Kit Layout for all remaining plates in the stack, as desired

16) Click OK

17) The Kit Layout will be applied to the data, and the raw data displayed