QBI Slide Scanners : Brightfield Quick Guide

Name: .

Group: .

Tissue Staining / Labeling:

.

Pre-scan Classifier:

.Prescan for 20x Light
For very light tissue sections, or tissue sections with only partially staining (e.g. nDAB)

.Prescan for 20x Medium
For standard stains such as Nissl and H+E

.Prescan for 20x Dark
For densely stained tissue. Can be used for Nissl and H+E.

Scan Times:

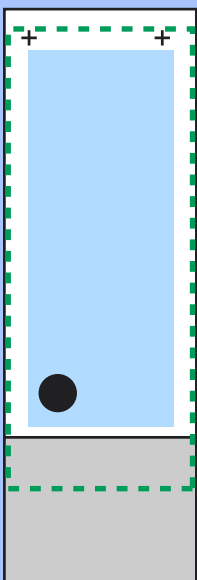|	
Prescan:	~ 1 minute
Focus Map:	~ 5-10 minutes
Final Scan:	~ 10-12 minutes slide

Notes / Recommendations:

For tissue that is transparent except for partially staining (e.g. nDAB staining of neuron sub-populations choose "Light" settings - these scans may not always be successful but new settings for this tissue are in development.

To use **10x scanning** start **BW Camera Scan** and choose **.prescan for 10x Light/Medium/Dark** - everything else is the same as if you were doing 20x scanning

Instructions

1. Switch on the microscope and computer
2. Load all of your slides - make sure they are *CLEAN, flat and pushed all the way to the top left in the slide frame*
3. Start Vslide - START online mode
4. Start the scanning software
5. Click **Adv. Mode**
6. Click **Setup** and setup your slides:
    i. Activate and Name each slides to be scanned
    ii. Choose your recommended **pre-scan classifier** under **Classifier**
    iii. Under search window choose **Predefined area**
    iv. Under size choose **Adv. Mode**
    v. Ensure each activated slide has been named, and has the correct classifier selected as described above
    vi. Click **OK**
7. Activate the robotic arm (right click **SF+** in the top right corner of the main screen and choose initialization)
8. Click **Scan**

For Best Results

1. Use SuperFrost Plus slides

2. Use 24 x 60mm coverslips *(keep the coverslip away from the end of the slide)*

3. DPX mounting for brightfield slides *(avoid bubbles)*

4. Ensure some tissue / cells are positioned in the lower left corner (black dot)

6. Keep tissue away from the end of the slide and the coverslip edges *(within the blue rectangle)*