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"Olympus Slideview VS200" slide scanning

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Protocol status: Working

We use this protocol and it's working

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Abstract

Brief guide on the main steps to follow in order to scan a sample with the "Olympus Slideview VS200 slide scanner. Although examples for certain parameters are presented, each user should choose them based on the characteristics of their samples.

Troubleshooting



Preparation

- 1 Turn on the Olympus Slideview VS200 slide scanner hardware and associated software.
- 2 Click on "exchange trays".

Setting scan parameters

- 3 Click on "single scann" or "batch scann" depending on your needs. The batch scann does not allow manual focusing.
- 4 Click on "edit scann settings". Select the objective and magnification. **The 40x objective requires immersion oil, which is automatically applied by the scanner.**
- 5 Click on "detail". Set the Z-range, Z-space and Z-count as needed. In case of a 20µm-thick section, for instance: Z-range = 12µm , Z-space = 2,95 µm, and Z-count = 5.
- 6 Select the focus mode. In case of a strong staining, the authomatic method (and thus the batch scan) can be used, while a weak staining may require semi-automatic/manual focusing.
- 7 Click on "Naming and saving". Name the scan/s and select the folder where they will be saved upon completion.
- 8 Start the pre-scan. Once it is complete, click on "select scan area". Draw the scan areas around the regions of interest. Then click on "select focus map" and establish the focus points within the scan areas.

Focusing and scanning

- 9 Start scan.
- 9.1 If the "manual focusing option" was previously selected, use the control+scroller to adjust the focus. Turning the "Auto-contrast" option on can help with challanging slides. Once all the points have been focused, start scan.

Saving



- 10 Click on "save and home" or "save and new scan" based on your needs.