

To determine the calibration constant (microns per pixel), for a given lens with magnification 20× or 40× you can use any one of the images taken with that lens to do your calibration. The procedure is as follows:

1. Download an image to your computer

For Apple computers,

2. View the downloaded image with Preview.
3. Open Preferences of Preview.
4. Click Images and select '1 image pixel equals 1 screen pixel'.
5. Close the Preferences panel.
6. In the image panel, use 'Select' to draw a square around any circular beads in the image. The size of the bead in pixels will be displayed when you drag the dotted rectangle around.
7. Repeat the measurement with other beads.

For PCs running Windows, use Paint or equivalent application to view and measure the downloaded image. Make sure you select the correct scale.