

Image Station 4000R General Instructions

Your procedure for using the Image Station will depend on your particular application. Consult the Image Station 4000R manual (found in the drawer below the instrument), Huan Luong, or your advisor to learn the particulars or your method. The general guidelines below will get you started.

1. The imager has two parts of interest to normal users:
 - a. The lid opens allowing placement of samples on the platen glass. Place your sample in the center of the glass. The lid remains open for white light transillumination.
 - b. The door on the right has a variety of controls (see photograph in this packet). The power switch for the camera always remains on. The other controls will be adjusted according to your needs.
2. The computer should always be on. Launch the Kodak MI program found on the desktop.
3. In the File menu, choose the top option, "New IS4000R Capture". The Acquire Window will appear (see copy of window in this packet).
4. With the lid of the imager open, click the "Preview" button to see a real time picture of your sample (see copy of window in this packet). Using the plastic forceps, move your sample to the center of the field of view.
5. Set the filter position. The filter position knob is inside the door, on the upper left. It should be in position 0, no filter, for photographs of plates, Coomassie stained gels, chemiluminescence, and rad PADD. Switch to position 1, 600 nm filter, for ethidium bromide, Sypro ruby, Texas red and ruby orange.
6. Manually adjust the aperture or f -stop (right-most dial when facing instrument), field of view (center dial), and focus (left-most dial when facing instrument). See table included in this packet as a guide for settings. **No gloves or wet hands should ever touch these delicate controls!** When you are finished, click the "Done" button to return to the Acquire Window.
7. Change the reading within the "Set Camera To" box to reflect the changes you made to the camera adjustments. You must manually make the settings in the computer window match the settings you chose on the camera.
8. Set exposure and illumination as appropriate for your experiment.
9. Click Expose.
10. To save an image, choose "Save As" in the File menu. Save the image in your folder.

Kodak technical support can be reached at 203-786-5657 8:00AM-6:00PM Eastern time.