

Versadoc Western Blot Detection Quick Guide

1. Click on Quantity One to open software.
2. Under File, select Versadoc to open acquisition window.
3. Under select application, click on Blotting then select either Chemiluminescence or Chemi-Hi Sensitivity (for weak signals).
4. Following chemi. substrate incubation, put blot on top of a glass plate wrapped in plastic wrap, protein side up and place in imager, either on upper imaging tray (mini-blot) or lower tray (UV transilluminator if large blot).
5. Click Position or Focus. Live image of blot membrane should appear on screen.
6. With imager door open, adjust f-stop to 1.4 and adjust focus ring so that arrow label with “U” (for upper tray) lines up with vertical white line on lens. If using lower tray, line up arrow label with “L” with this white line. If needed, fine adjust focus so that edges of blot are sharp or place a business card on top of blot and focus on type. Remove card prior to taking image.
7. Close imager door and click stop.
8. Enter Exposure time in seconds (usually 2-3X longer than time for typical film exposure) and click acquire.
9. Image should appear in an Analysis window. Under file you can now print or save image as usual.

HINTS:

If exposure is too weak (image is “grainy”), increase exposure time and make sure f-stop is on lowest setting and UV blocking filter is not on lens.

If unsure of exposure time, set much longer time than needed or use Optimize Exposure to capture several short exposures over a time period, then choose best image when finished.

If you wish to image an extremely large blot or do an optical zoom on a region of the blot, use the 28-80mm zoom lens.