Quick Reference Guide to Using Kodak Image Station 440CF

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I. Fluorescence (i.e., DNA Gels) Imaging

Set f-stop to 1.2 or 2.0;
Filter #"4" is set for ethidium bromide staining;
Optional: use black side of compression pad (or no pad)
Check "preview" mode;
Center the sample and maximize zoom;
Uncheck "Preview" mode;
Turn on the UV lamp;
Close the Lid;
Bining is usually OFF;
For EB/DNA gels, capture time is generally 15 sec to 2 min;
Set exposure time and take image;
Quick Print;
Or Submit to analysis software by accurately entering information in the Submit window.

II. Enhanced Chemiluminescence (i.e., Western Blotting) Imaging

Set f-stop to 1.2;
Set filter in position "0"
Use black side of compression pad;
Place sample-side down on platen;
Check "Preview" mode
Center sample and maximize zoom
Uncheck "Preview" mode
Close the lid;
Check Bining ON (X & Y)
UV lamps are OFF;
Start with "pre-capture" of 15-30 sec
Use image histogram (see another protocol) to estimate exposure time required for imaging;
Set exposure time & take images (multiple exposures are recommended, starting with the longest);
Submit to analysis software by accurately entering information in the Submit window.

III. Transmission Imaging (i.e. visible staining or autoradiography films)

Set f-stop to appropriate position depending on light in room (usually 4.0-8.0);
Check "Preview";
Center sample and maximize zoom;
Uncheck "Preview" mode;

Open the Lid;
Place the Light Diffuser over sample:
For flat sample (i.e., X-ray film)----feet side UP
For raised sample (i.e., Coomassie Brilliant Blue stained gel)---feet side DOWN
Set Filter position to “0”;
The UV lamp should be “OFF”;
Bining is usually “OFF”;
Set exposure time and take image (usually <1sec);
Submit to analysis software by accurately entering information in the Submit window.