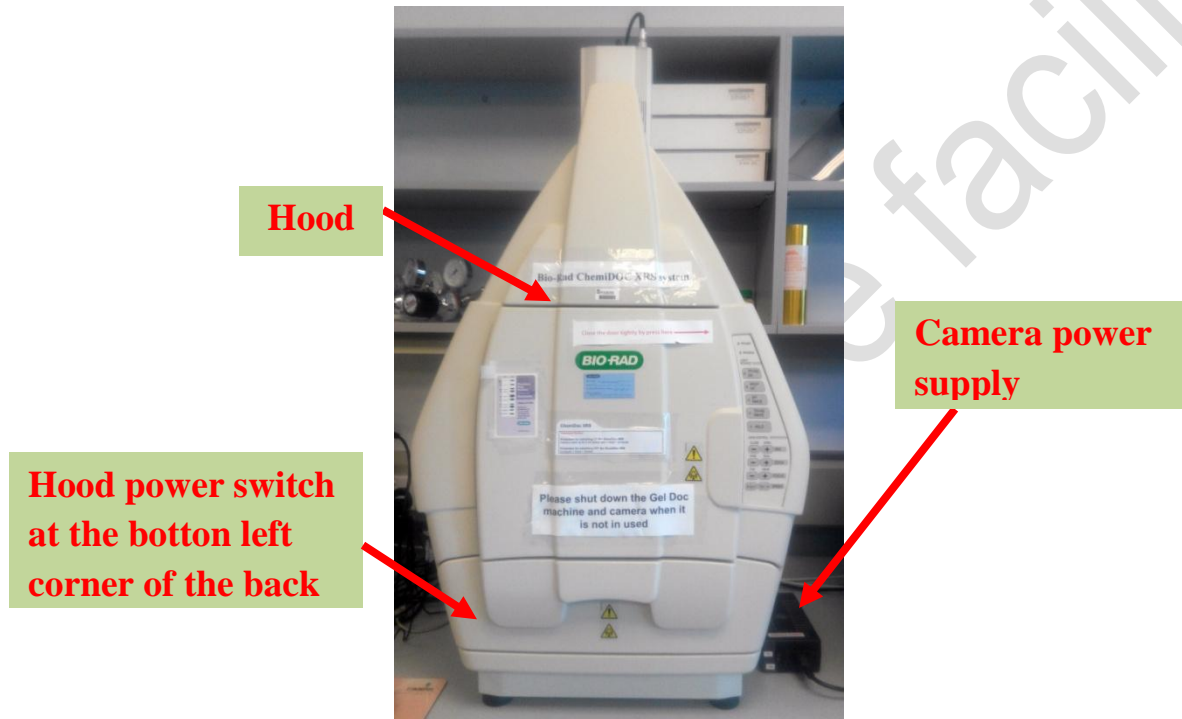


Bio-Rad ChemiDOC XRS system

Basic operation

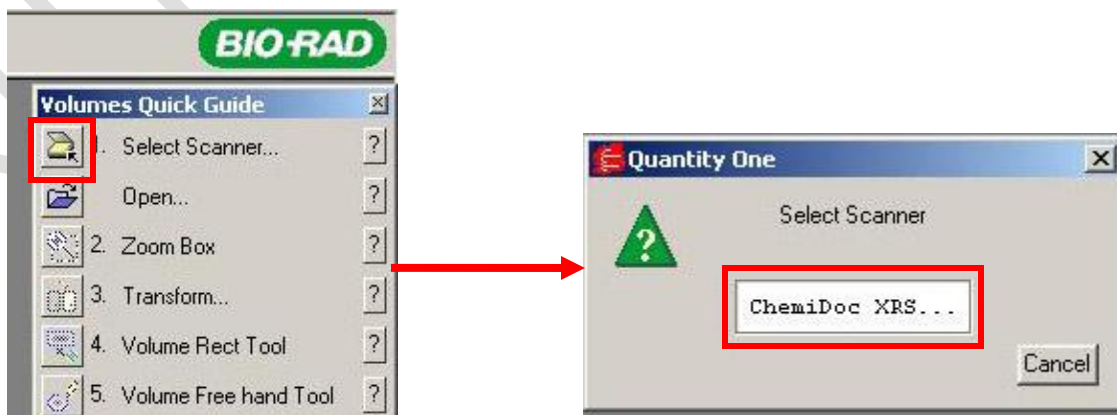
1. Turn on the **computer, hood and camera power supply** (The camera needs to be warm up for 5 minutes).



2. Open the “Quantity One”.

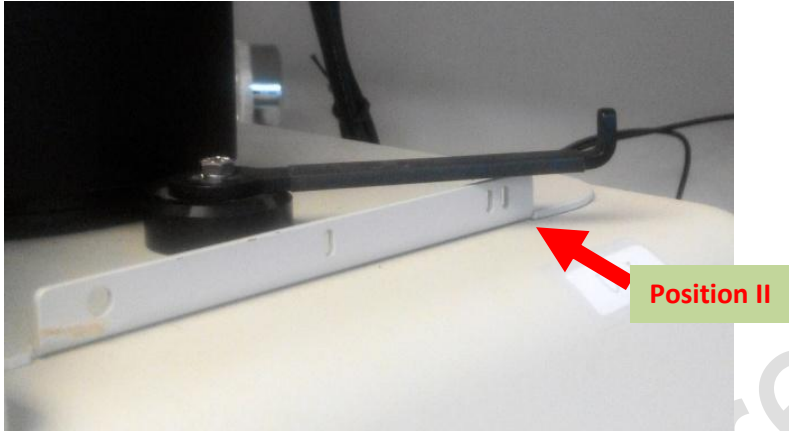


3. Press “Select scanner”. Choose “ChemiDOC XRS”.

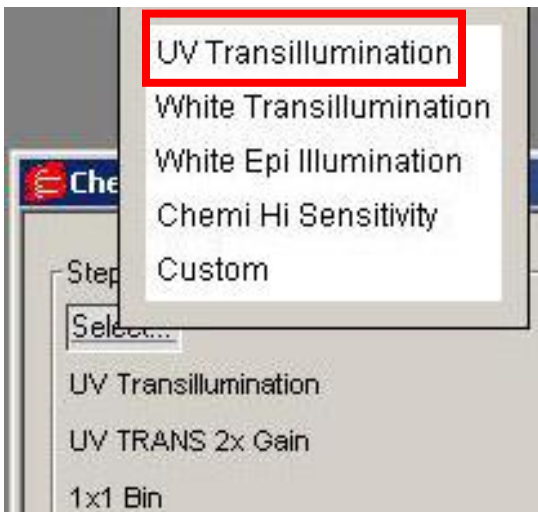


For DNA gels imaging

- Put your gel into the hood.
- Switch the **camera filter** to **position II (UV filter)**.



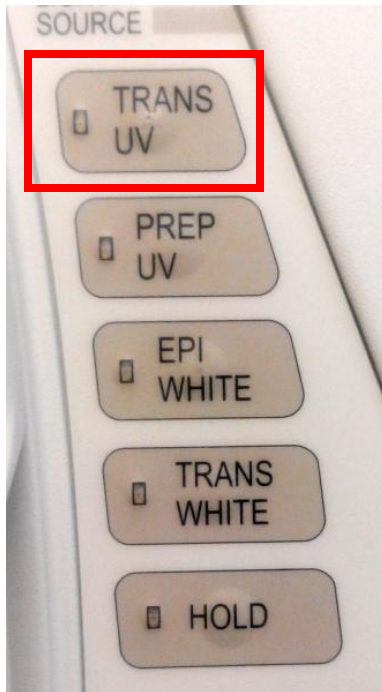
- Select “**UV Transillumination**”.



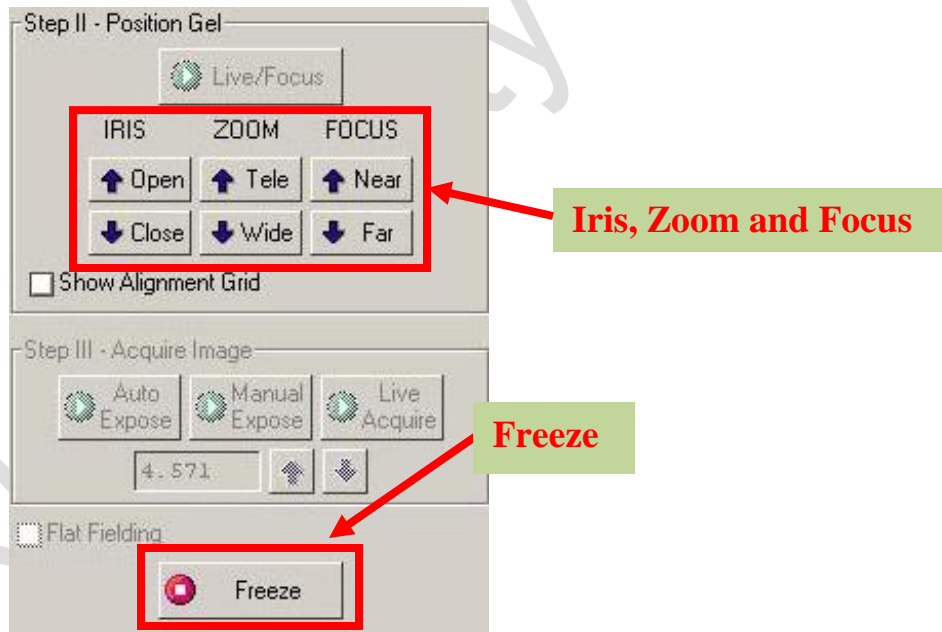
- Select “**Live/Focus**”, opens the hood’s door and position the gel. Close the door after you have position your gel.



- Press **“TRANS UV”** button on the hood. Make sure the door and drawer closed properly.



- Adjust the **“Lens Iris”**, **“Zoom”** and **“Focus”**. Press **“Freeze”** after getting the correct position and focus of the gel image.

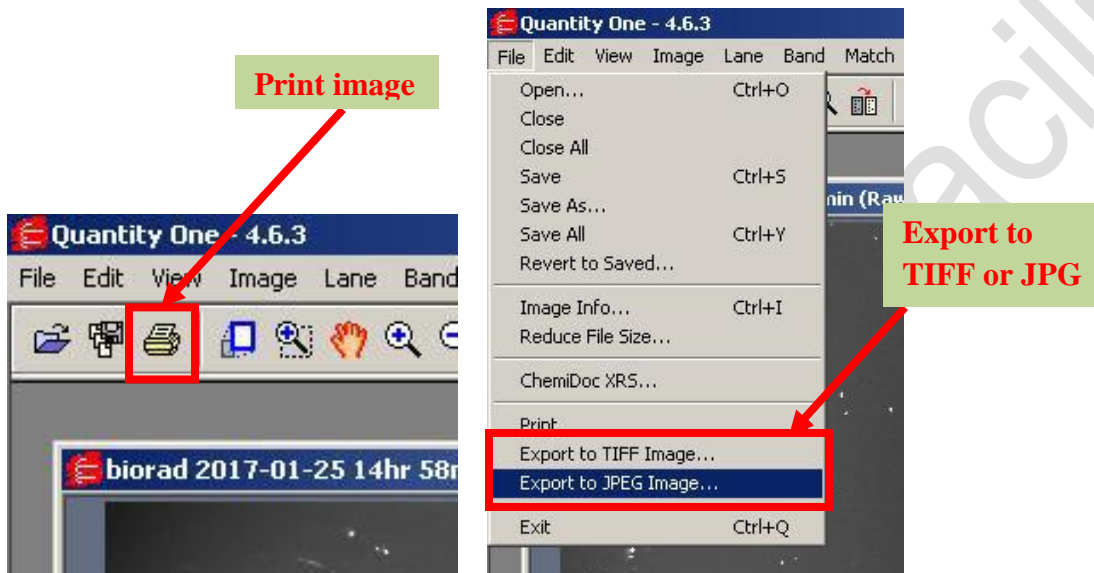


- Acquire image by select **“Auto Expose”**, **“Manual Expose”** or **“Live Acquire”**.



11. After acquired the image, you can select **“print”** to print out the image or **“Export the image to tiff or jpg image”**.

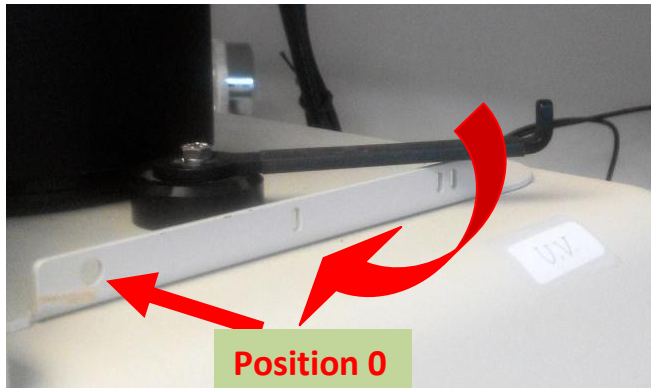
(Please save the image in the **“Data”** folder at the desktop, files store at the computer will delete regularly, please back up your files after each usage).



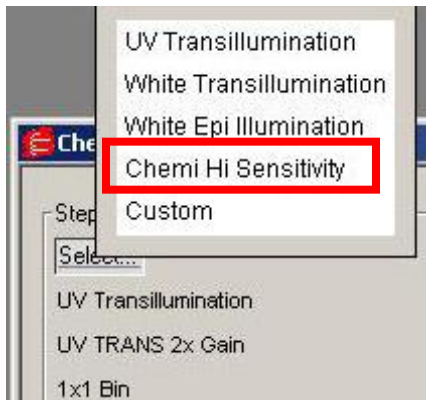
12. After usage, **remove your gel** from the hood.
13. Switch off the **computer, gel doc hood** and **camera power supply**.
14. Please sign the **log sheet** before you leave.

For Chemiluminescence sample

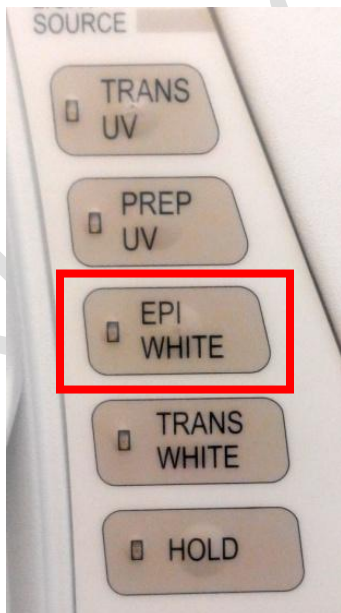
4. Switch the camera filter to “**position 0**” (without filter).



5. Select “**Chemi Hi Sensitivity**”



6. Press “**Epi-White**” button on the hood. Make sure the door and drawer closed properly.



- Put your blot or a white card into the hood.
- Select “**Live/Focus**”



- Adjust the “**Lens Iris**”, “**Zoom**” and “**Focus**” to get the correct position and focus of your blot or the white card.



Iris, Zoom and Focus

- Replace the white card with your blot sample.
- Press “**Freeze**” to freeze the image.

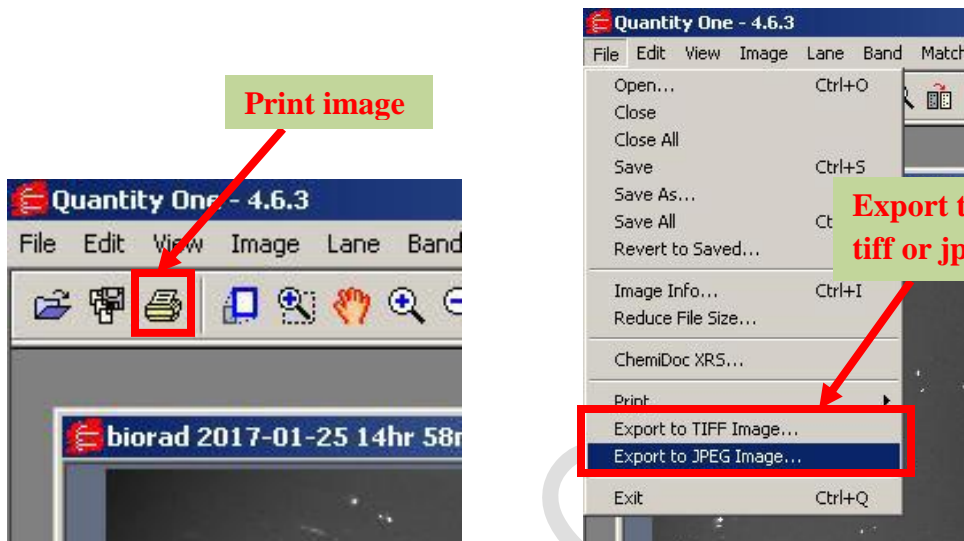


- Switch off the “**Epi-White**”.
- Acquire image by select “**Auto Expose**”, “**Manual Expose**” or “**Live Acquire**”.



14. After acquired the image, you can select **“print”** to print out the image or **“Export the image to tiff or jpg image”**.

(Please save the image in the **“Data”** folder at the desktop, files store at the computer will delete regularly, please back up your files after each usage)



15. After usage, **remove your blot** from the hood.

16. Switch the **camera filter** to **position II**.



17. Switch off the **computer, gel doc hood** and **camera power supply**.

18. Please sign the **log sheet** before you leave.

End