# **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).



3. Press"Select scanner". Choose "ChemiDOC XRS".



### For DNA gels imaging

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



6. Select "UV Transillumination".



**7.** Select "**Live/Focus**", opens the hood's door and position the gel. Close the door after you have position your gel.



8. Press "TRANS UV" button on the hood. Make sure the door and drawer closed properly.



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



10. 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).

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- **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.



- 7. Put your blot or a white card into the hood.
- 8. Select "Live/Focus"



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

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- **10.** Replace the white card with your blot sample.
- 11. Press "Freeze" to freeze the image.



- 12. Switch off the "Epi-White".
- 13. 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)

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- 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