**Bio-Rad GelDoc XR+ Quick User Guide**

1. Open bottom drawer of instrument and place gel on imaging stage (A).
2. Open **Image Lab** by double clicking the shortcut on the desktop.
3. To image, choose create a **New** protocol or **Open** an existing protocol.

**B**

1. In the **Protocol Setup** window:

**A**

* 1. In the left-hand pane, ensure there is a checkmark next to **Gel Imaging** to take a basic image (you can add analysis tools later after acquisition).
	2. In the right-hand pane:
		1. Under **Application**, choose the type of sample you will be imaging by clicking **Select**.
		2. Under **Imaging Area**, select Bio-Rad Mini ReadyAgarose Gel or enter a custom imaging area. *NOTE: Maximum sample size is 28 cm in length and 36 cm in width.*
		3. Under **Image Exposure**, choose **Intense Bands**, which optimizes exposure for all bands.
	3. Click **Position Gel**
		1. If a window pops up that says move filter to position “Filter 1”, click **OK**.
		2. Open universal hood door (B) and center gel in the **live view** on the computer. You can also move the **Camera Zoom** slider bar to zoom in on your gel.
1. To capture the image click **Run Protocol**.
2. Image adjustment tools are located at the top of the captured image window. **If you are printing your gel you must invert the colors so there is more white than black.** To do this click on the black/white sun icon.
3. Save Image in the appropriate Gel-Doc Users folder in **My Documents** by selecting File 🡪 **Export**, will allow you to save a .tif you can view on other computers. *NOTE: to keep this folder organized please save in class or research adviser folders.*
4. To print one image that is 5cm X 7cm, File 🡪 Print, then click print in the **Image Print Preview**. Choose HP LaserJet 500 color M551 PCL6 in TH223 or TH257. Click **Preferences** and choose **6 pages per sheet To print multiple image, please see optional print instructions (next sheet over).**
5. Open bottom drawer of instrument (A) and take gel off imaging stage, clean off surface of gel doc with paper towel and a small amount of distilled water if any gel pieces remain.
6. Shutdown computer and monitor and make sure area around Gel-Doc and computer is clean.

**Questions? Contact the Science Core Facility Technician:**

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