

User Guide for Transilluminators

As for any equipment in the CMB, you should sign these out on CMB scheduler before use.

For the BioRad ChemiDoc – bring a USB Drive as instrument not connected

- Turn on instrument, read welcome message and touch anywhere on screen to continue.
- Open up the instrument, pull out the drawer, place item to be imaged on platen, and close.
- Go to Gallery to view previous images, or Live View to acquire a new one.
- specify size
- Choose your application category and then application – only choose apps with the green and pink blocks at the bottom as this indicates the only tray that we have.
- If doing chemiluminescence choose exposure time (tap exposure, specify exposure area, auto/manual)
- Tap camera icon
- Can try multiple exposures/etc til you get desired image/s. Images can be overlaid in Gallery or in ImageLab software on computer to the right of the instrument. This software can annotated gels and quantitate bands as well as overlay images detecting different fluorescent wavelengths, etc.
- Save on USB drive. From computer you can save to lab folder in cmlab and transfer to your home base computer from there also.

For the BioChemi Transilluminator- bring a USB Drive as instrument not connected

- when turning on instrument, you must turn on the darkroom, and the camera (toggle switch on top).
- choose your illumination and dye that you want to use on the biochemi darkroom
 - If doing chemiluminescence on filters, pull down the black background
 - If cutting out bands, use plastic tray, if not, can put directly on UV light box
- open Labworks software and click acquire
- biochemi is the driver that should be working and be installed. If it doesn't work, try going to analogue demo and then back and it should work
- click on "minimal dialogue"
- using the slide on the right, move the preview exposure time til you are getting an image you like
- You can also change the aperture (top ring) and zoom (center ring) directly on the camera. The focus ring is the bottom ring and should be right but can tweek if needed.
- when you see an image you like, hit "stop/capture"
- Print and/or send to self
- if having problems and can't find me, call 1-800-452-6788 and tell them you need tech support for Labworks software. You should get Danny. He can take over the computer and help you do anything.

One other Transilluminator

- There is a small light box and camera in the teaching lab
- These work best with SYBR Gold and Green Gel but work just like the old poloroids we have used for ethidium bromide for years.
- Simply place your gel in light box and turn on light
- choose a filter that you like
- turn on digital camera on hood box and place over gel and take picture
- take camera to your computer to transfer image and the RETURN IT IMMEDIATELY.