

10% Agarose Gel

Do not try and make this in a microwave it won't work and the agarose won't come out. Use a pot and a hot plate or stove.

Add gel green before you add the agarose.

There will be lots of bubbles but for short runs the bubbles don't affect the run (no comparison was done for longer runs)

For buffer we used TAE but lithium borate or sodium borate was suggested and will be tried in the future.

DNA Visualization

LEDs can be found at Jameco. The peak wavelength of this LED is similar to the peak excitation of Gel Green. Though these LEDs leaving something to be desired in intensity.

<https://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?storeId=10001&productId=2006764&langId=-1&catalogId=10001&ddkey=https:CookieLogon>

A yellow filter such as Storaro yellow is great and extremely inexpensive. A 20"x24" sheet is \$7.

<http://www.filmandvideolighting.com/roro20styege.html>

Place the filter on top of the gel and the LEDS below or on the side of the gel.