UV gel viewer

1. In case the machine is off- press the ON button.
2. Press the "WL" (white light) button.
3. Press "live" button on the screen. If not available- press the "back" button.
4. Insert your gel and adjust it in the middle of the screen. Cameras can be adjusted manually on the top. In case the screen is on screen saver press one of the buttons.
5. Disable the white light and press the "UV" button.
6. Brightness can be adjusted by the +/- buttons.
7. Press the "freeze" button and then "save".
8. Turn off the UV.
9. Picture can be accessed through the ftp://132.68.82.185 in the Technion network.
10. Take the gel out
11. Clean imager table with water.
12. DON'T TURN OFF the machine.

In case of gel purification:

1-4 as written.

5. Put protective mask on and cover your hands and any revealed skin.

6. Press the triangle sign (that's allows you to open the door and press the "UV" button.

7. Turn the UV power to 70% by the button on the tray.

8. Cut the piece.

9. Close the UV and the triangle.

10. Turn the UV power to 100% again.

9. Take the gel out.

6. Pour in to the gel tray (do not forget to put the appropriate comb).
7. Gel will solidified in 15-20min in hood.
8. Put gel (with tray) in the electrophoresis system. Orient the gel from – to + (DNA moves from negative to positive in electrophoresis machine).
9. Load your samples.
10. Set the electrophoresis system (depends on the separation level): Volt80-100, mA- 150, time 20-40 min.

Loading samples:

Add loading buffer to samples (X6)

For PCR check: 5ul from reaction.

For cleaning from gel: whole sample.

Restriction enzyme reaction: whole sample

Do not forget to load the proper ladder.

Image the gel:

Using a UV gel viewer.

Storage:

You can save the gel in 4 degrees warped with saran- write your name, date, and how many wells are left.