Running the gel

1. Prepare the samples

Make up your samples to 20 µL by adding 10 µL distilled water to each of the tubes using a micropipette.

Using a quick wrist flicking motion get all the liquid to the bottom of the tube so that you can pipette it out.

Add 10 µL of distilled water to all 5 of the eppendorf tubes using a micropipette. Then transfer the solutions to the gel wells.

2. Prepare your E-gel-EX

Take the gel out of the foil packaging.

Carefully remove the comb by lifting it from both sides without bending it.

3. Load the gel

Pipette your samples and ladder into the desired wells; try to avoid introducing bubbles into the wells.

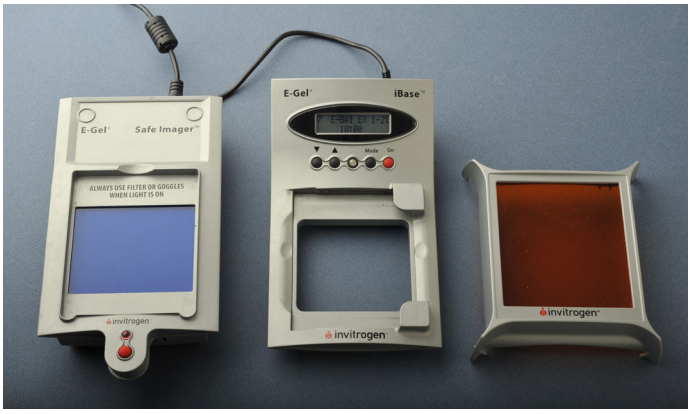
Fill any empty wells with 20 µL of distilled water.

Write down which well you loaded each sample.

4. Run the gel

Place the gel on the grey iBase, right side first, sliding it across and pressing on the left side.

Use programme 7 "***Run E-Gel EX***" programme (find this by pressing Mode then the up arrow then press ***Go*** when you are ready).



Safe Imager iBase Orange filter screen

5. Watch progress

You can watch the progress of the gel using the Safe-Imager and the orange screen: place the iBase on top of the Safe-Imager with the orange screen over the gel, then press the red button on the Safe-Imager to turn on the light – your DNA bands will light up.

Combined unit ready to run gel.

6. View results and photograph

When the gels are finished (10 minutes), have a look at each of them using the Safe-Imager, and take photos if desired.

The DNA will diffuse over time, so be sure to examine your gels shortly after they finish running.

If you have any problems call the invitrogen helpline:
0800 335 997