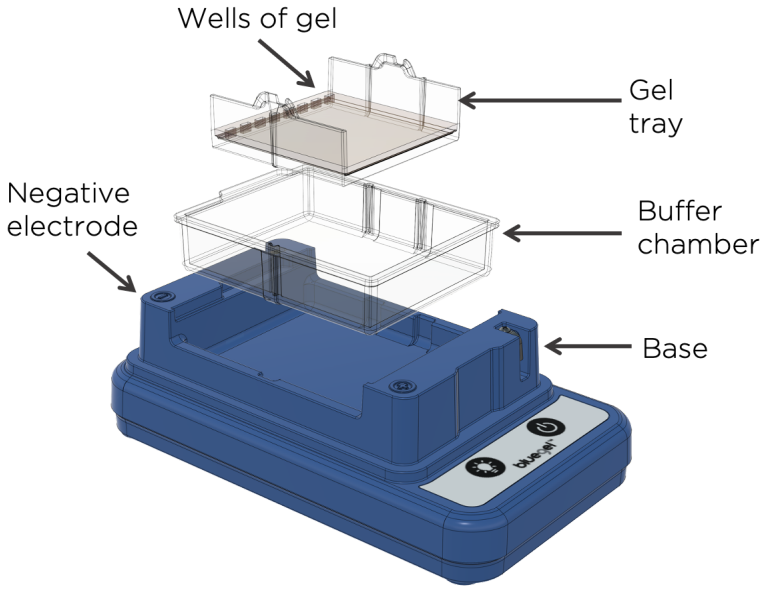
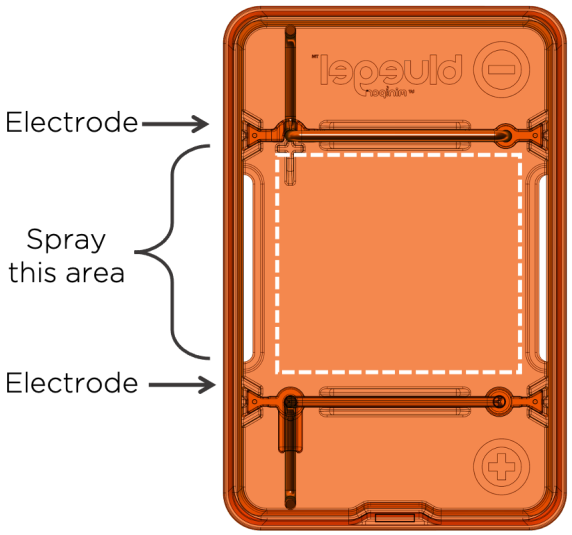
Running DNA samples with blueGel

1. Place the clear buffer chamber on the blue base, then place the gel tray with the gel into the buffer chamber.
    - The buffer chamber and the gel tray have notches that ensure they can only be inserted in the correct orientation.
    - The wells of the gel should be near the negative electrode of the blueGel.

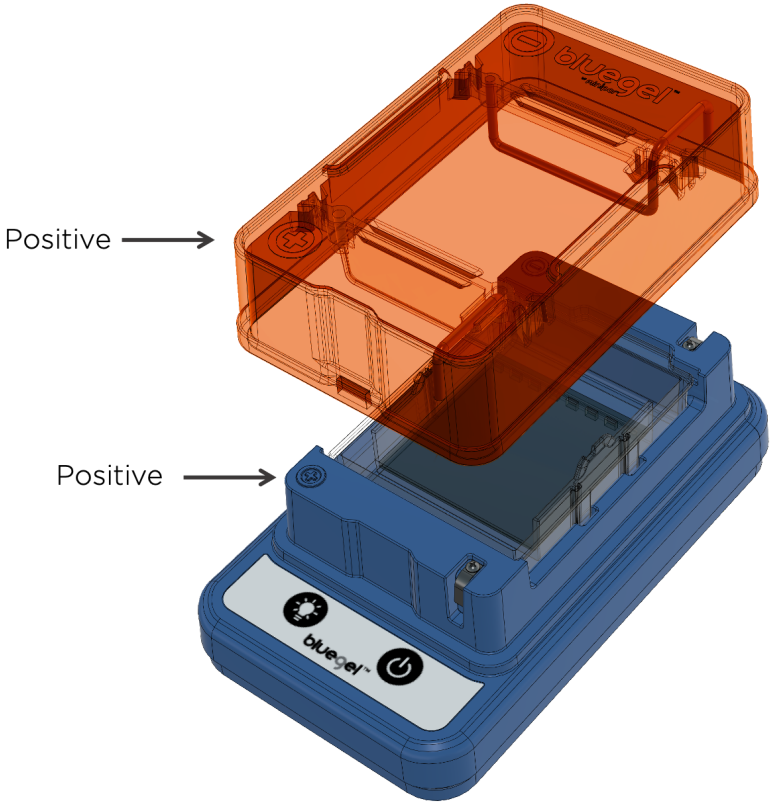


2. Add ~30 ml of TBE buffer to the buffer chamber. The buffer should just barely cover the gel.
3. Use a micropipette to load the samples on the gel as directed in the Learning Lab™ guide for the experiment you are performing.

4. To prevent condensation, apply ClearView™ spray to the inside surface of the orange cover between the electrodes and spread to coat the surface using the provided microfiber cloth.



5. Place the orange cover on the blue base, matching the positive symbol on the orange cover with the positive symbol on the blue base.



6. Plug the blueGel into an outlet and press the power button. The green light next to the power button should stay on.

7. Run the gel for the time indicated in the Learning Lab guide for the experiment you are performing.

8. Press the light bulb button to turn on the blue light transilluminator to view the DNA samples.
    - For best viewing, dim the room lights or use the Fold-a-View™ photo documentation hood with a smartphone camera.
    - If the image appears blurry, wipe off the inside of the orange cover and reapply ClearView spray.

9. If the DNA bands in the samples have not separated enough to interpret the results, run the gel longer.