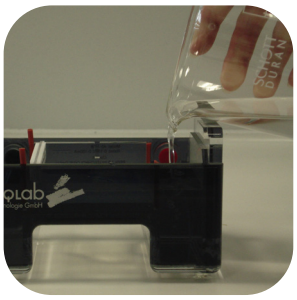
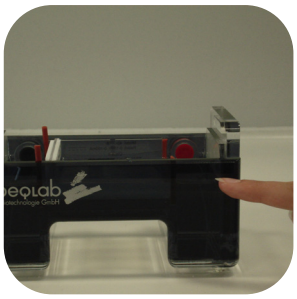
Agarose-Gel-Electrophoresis

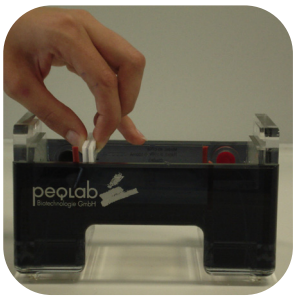
Remove gel-tray and place it back with the comb position facing the black labelled negative electrode



Add electrophoresis buffer to the chamber Needs usually about 260 ml

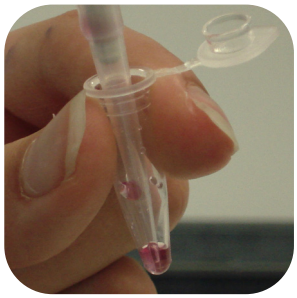


Check buffer level. Should be about 5 mm above gel surface.

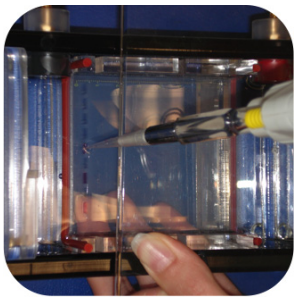


Only after adding the buffer, you may now remove the comb carefully

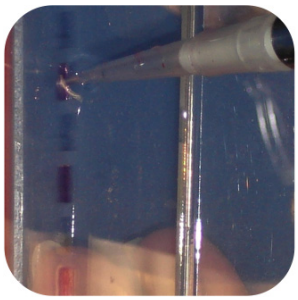
Use yellow marked pipette (20|200) and adjust to 30 µl for samples and as advised for marker.



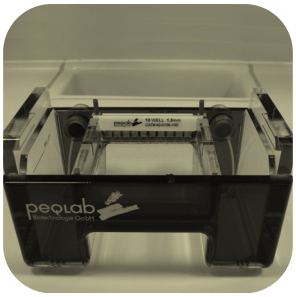
Follow guidelines for precise pipetting. Always use a new tip for every transfer.



Omitt border lanes whenever possible. Start with marker in second lane. Use middle lane when running a full gel.



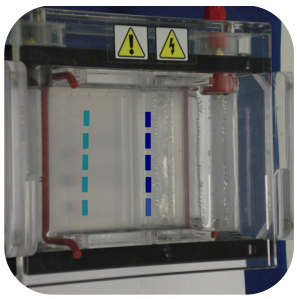
Now add the samples to the wells above the marker.
Caution! DO NOT puncture the bottom of the wells!



Place the lid tightly on the camber and plug the leads into the resective jacks of the power supply

Be sure to match the colors when plugging, e.g. red lead into red jack plug. Adjust voltage to 120V.

Start the procedure by pressing the runner symbol. Watch out for rising bubbles in the buffer chambers and the reference colors moving in the right direction.



Depending on the used stain, you see a pattern of different color bands. Ephoresis usually takes about 30 min