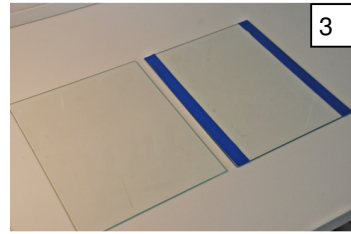
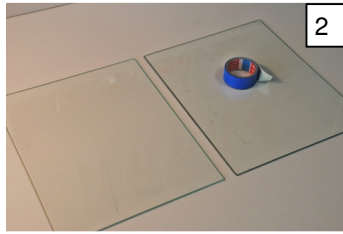
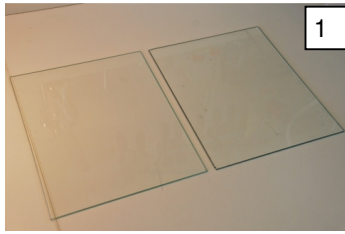
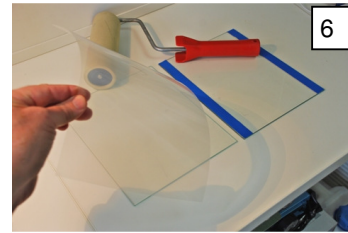
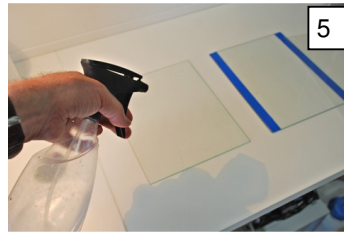


# Isoelectric Focusing Gel Preparation

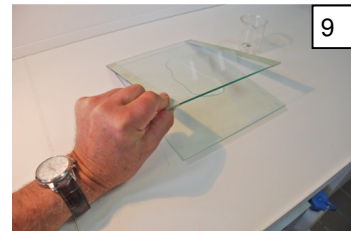
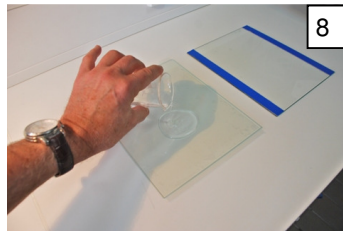
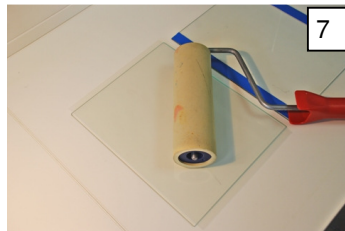


Prepare a glass plate (193 x 265 mm) and taping the two long sides with adhesive DYMO® tape, width 6 mm or fabric tape. The tape should be about 250 µm in thickness. **(Pic 1-3)**



Treat the upper glass plate with 2% Dichlorodimethylsilane (Repel Silane) in a **fume-hood**. (Solution prevents adhesion of gels to glass) **(Pic 4)**  
(Bring 2 ml Silane in 98 ml Petrolether 40-60°C). Store in refrigerator.

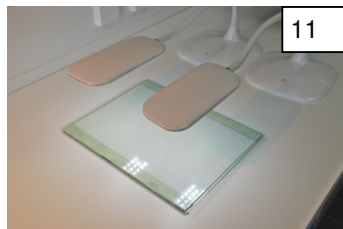
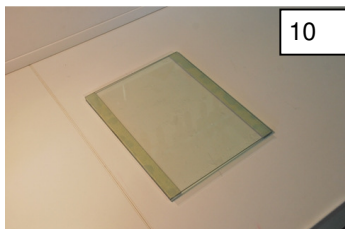
Put a pre-cut GelStick film (193-x 265-mm) onto a clean glass plate with several ml of water to ensure good contact and roll to remove any excess of water. **(Pic 5-6)**



Remove any air bubbles with roller and wipe the edges dry with a paper tissue. Place the glass plate with the GelStick film on an even surface with a towel/filter paper underneath in order to soak up any gel solution that might escape from the gel **(Pic 7)**

Mix the respective gel solution (according to the desired IEF gel work instruction) and pour the solution onto the middle of the GelStick film. **(Pic 8)**

Starting at the upper edge of the glass plate with the GelStick film, slowly lower the glass plate with the Repel Silane treated surface onto the Gel Stick sheet with gel solution (this will create a gel 'sandwich'). Be sure to avoid trapping any air bubbles in the gel. **(Pic 9-10)**



Allow the solution to polymerize **under light** at least 1 hour. The gel can be stored in a sealed plastic bag with a piece of moist tissue paper for up to 2 weeks. **(Pic 11)**