

Passivating slides and plates with PEG silane

Materials:

- **2% Hellmanex**
- **1N NaOH**
- **PEG-Silane** – Dissolved in 95% ethanol at concentration of 10-50mg/mL

NOTE PEG-Silane is light sensitive, so keep in the dark.

Protocol: 1. Soak slides or wells with 2% hellmanex for 1 hour. 2. Wash 3x with milliQ water. 3. Soak slides in 1N NaOH for 30 minutes. 4. Wash 3x with milliQ. 5. *(Optional)* Plasma clean

6a. If using cover slip and slide, pipette ~50-100uLs of PEG-silane solution onto slide and cover with cover slip. Let incubate in empty tip box with water in bottom overnight (*helps prevent solution from evaporating*).

6b. If using plate format, pipette 20-50 uLs into each well, cover with parafilm, and let incubate overnight.

7. Wash 3x with millQ.

8a. Dry slides: If cover slip, remember which slide was peg coated, and dry in oven or with nitrogen glass.

8b. Dry slides: If plate, suck out water and let sit in hood till evaporated. I bang it on a kim wipe periodically.

9. Use slides!