

Steps for Stamping

1. Plasma treat the stamp for 30 seconds to induce hydrophilicity
 - a. When plasma treating the stamp, treatment should not be done for longer than 1 minute 30 seconds to avoid the creation of microcracks in the stamping surface
2. After plasma treating the stamp, a protein solution should be applied as outlined in the Bender et al. Manuscript
 - a. The coating of the protein must be completed within 20 minutes of plasma treatment, as the hydrophilic nature of the stamp will wear off in that amount of time.
3. Once coating is complete, as much excess protein solution as possible should be removed from the stamp.
 - a. An aspirating tip can be used to remove the excess liquid, taking care not to touch the surface of the stamp.
 - b. Should an aspirating tip not be available, a KimWipe can be used.
 - c. A steady flow of inert air can also be passed over the stamp after removal via a KimWipe or aspiration to help further remove any trace amounts of excess liquid.
4. Tweezers should be used to place the stamp on the chosen surface, and care should be taken not to smear or otherwise move the stamp during the administration or removal of the stamp.
 - a. A small weight can be used to help apply pressure during the stamping process.