Resuspension of ADH parts

Overview

This protocol covers the resuspension of ADH parts from the master plate. ADH parts are supplied as a few µLs of 30nM solution. Evaporation is possible, but will not prevent successful resuspension.[i] We assume that after the addition of 30µL, plasmid concentration will be roughly 1nM[ii].

Materials

- ADH Master Plate
- Nuclease Free Water (NFW)
- Labeled 1.7mL Microcentrifuge Tubes
    - Tube should be labeled on the top and side with “ADH” and the well ID (e.g. ADH A12).

Procedure

1. Determine what samples (well I.Ds) are being resuspended. It is often useful to use a fisher pen to outline the well that is being resuspended.
    - Note that a complete list of samples and well IDs can be found on the Dropbox in the inventory folder on the spreadsheet “Andy’s Plate.xlsx”.
2. For each sample: Using a P100, first pipette 30µL of NFW, then using the tip of the pipette, break through the foil coating on the well. Gently pipette up and down. If drops of liquid are on the side of the well, gently pipette some liquid on them, and mix with the rest of the sample.
3. Wait 5 minutes.
4. Transfer liquid (as much as is feasible) to final tube. Store in -20C. Log the tubes in the 1nM ADH Parts Box sheet on google drive.
5. Mark any parts resuspended as resuspended on the “Andy’s Plate” excel sheet.

[i] DNA doesn’t evaporate. (Unless you mean at like actually hundreds of degrees)
[ii] This corresponds to roughly 1-4ng/µL for most plasmids.