MoBio Bead Plate Loading SOP

1) BSI Scene is Safe (Apply proper safety equipment).
2) Sterilize the work area; wipe down the bench with 70% ethanol.
3) Make a plate map on excel. Use an 8x12 grid. Leave room for appropriate blanks as controls.
4) Gather tools: Sharpie, Tape, PowerMag plate, loading rack.
5) Label the plate, include: Project name, Plate #, Date, and initials of the individual loading the plate.
6) Organize samples in a tube rack according to your excel template.
7) Store the PowerSoil mat in a sterile area.
8) Tape over your PowerSoil plate, start from A12 and tape down to H12. Then again for each column, leaving only A1-H1 open.
9) Place sample A1 in well A1, use only one swab if there are multiple swabs.
10) Break the swab into the appropriate well. Continue for the entire column.
11) Remove the tape from A2-H2, then place it on top of A1-H1. Only column 2 should be visible now.
12) Repeat steps 9-11 until the entire plate is filled (excluding blanks).
13) Remove the tape and return the PowerMag plate mat, ensure that it is tightly sealed.
14) Place your plate in the -20 freezer.
15) Your plate in now complete.