

## 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 is now complete.