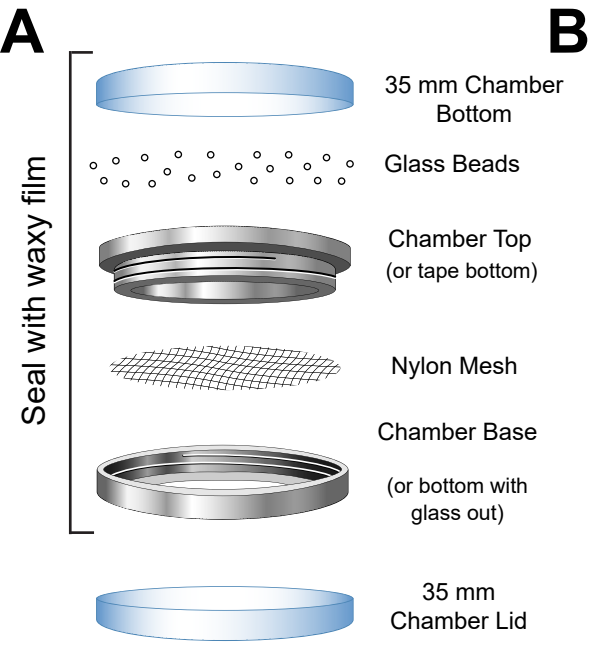
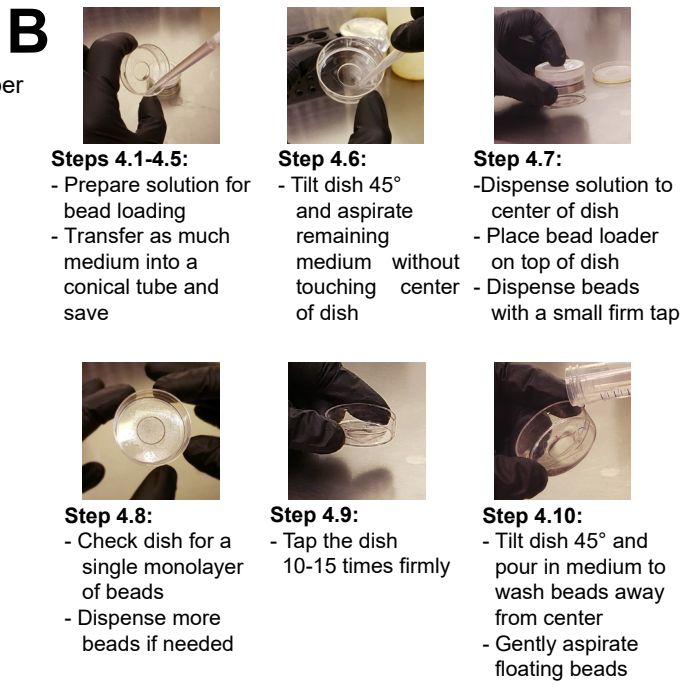
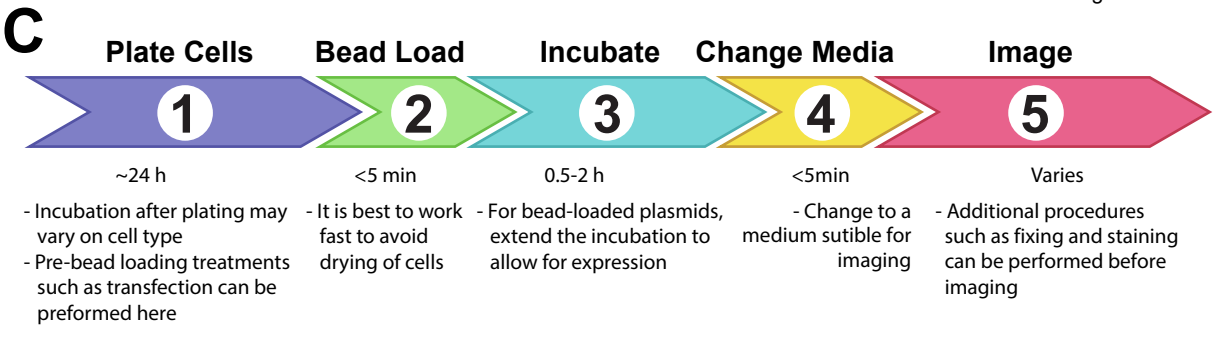

A
Seal with waxy film
35 mm Chamber Bottom
Glass Beads
Chamber Top
(or tape bottom)
Nylon Mesh
Chamber Base
(or bottom with glass out)
35 mm Chamber Lid


B
Steps 4.1-4.5:
- Prepare solution for bead loading
- Transfer as much medium into a conical tube and save
Step 4.6:
- Tilt dish 45° and aspirate remaining medium without touching center of dish
Step 4.7:
-Dispense solution to center of dish
- Place bead loader on top of dish
- Dispense beads with a small firm tap
Step 4.8:
- Check dish for a single monolayer of beads
- Dispense more beads if needed
Step 4.9:
- Tap the dish 10-15 times firmly
Step 4.10:
- Tilt dish 45° and pour in medium to wash beads away from center
- Gently aspirate floating beads


C
Plate Cells
1
~24 h
- Incubation after plating may vary on cell type
- Pre-bead loading treatments such as transfection can be preformed here
Bead Load
2
<5 min
- It is best to work fast to avoid drying of cells
Incubate
3
0.5-2 h
- For bead-loaded plasmids, extend the incubation to allow for expression
Change Media
4
<5min
- Change to a medium sutible for imaging
Image
5
Varies
- Additional procedures such as fixing and staining can be performed before imaging