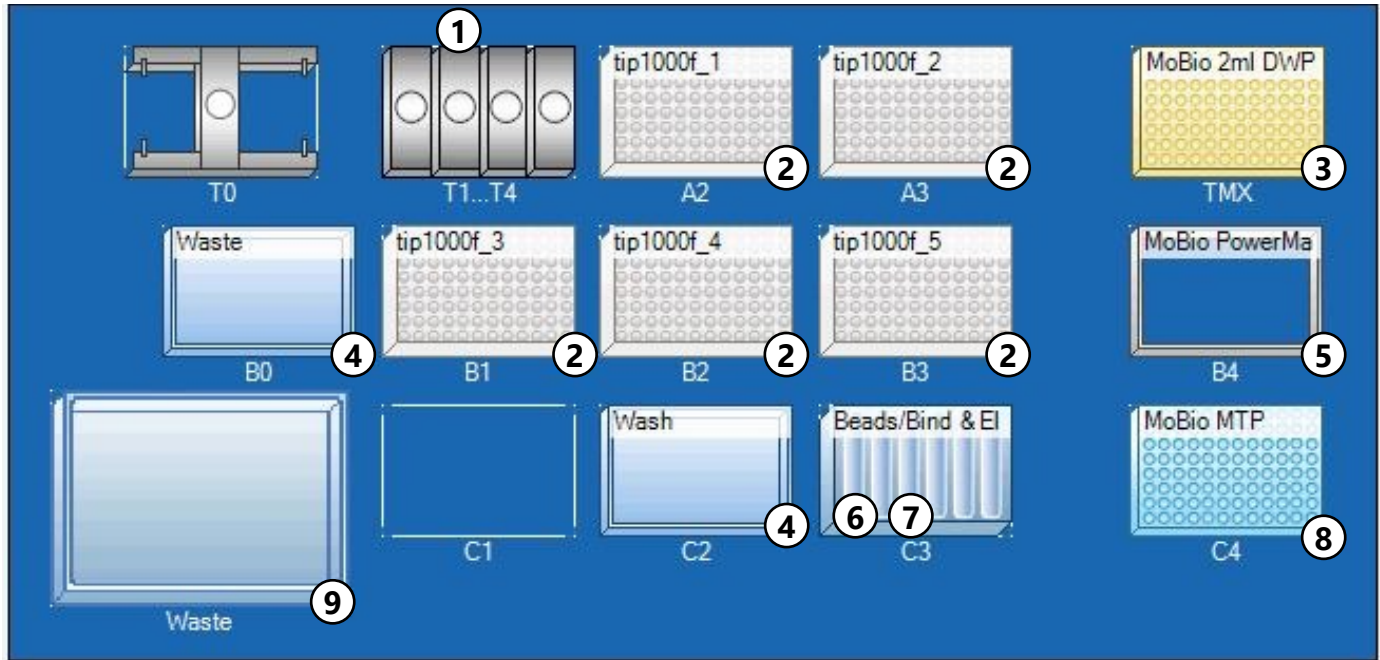


## Robot visual guideline

PowerMag\_Soil\_Final.dws

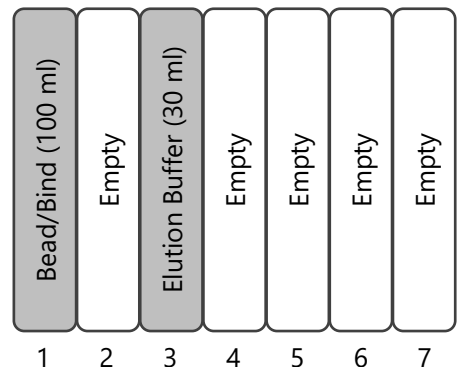


| Number | Positions          | Item  |
|--------|--------------------|---|
| 1      | T2                 | TM-1000   |
| 2      | A2, A3, B1, B2, B3 | Tips  |
| 3      | TMX                | Mobio 2 ml Greiner DWP (sample plate from previous steps) |
| 4      | B0, C2             | 400 ml tub  |
| 5      | B4                 | MoBio Power Mag Magnetic Separator                        |
| 6      | C3-1               | 100 ml reservoir rack (Beads/Bind)                        |
| 7      | C3-3               | 30 ml reservoir rack (elution buffer)                     |
| 8      | C4                 | MoBio Greiner MTP (96-well microplate - DNA products)     |
| 9      | Waste              | Big tip waste bucket                                      |

### Note:

- To avoid cross contamination and splashing, C3-3 (elution buffer) and C4 (final DNA product plate) should be covered with lids and **remove the lids** at 2nd tips refill.
- Leave position B4, C1, C3-2 and C3-4 to 7 empty (see pictures)

**C3**



## Volume settings for 96 samples

| Position     | Item                             | Volume            |
|--------------|----------------------------------|-------------------|
| All 96 wells | Mobio 2 ml Greiner DWP           | 1530              |
| C2           | Wash (400 ml tub)                | 174000 (if asked) |
| C3-1         | Beads/Bind (100 ml reservoir)    | 87000             |
| C3-3         | Elution buffer (30 ml reservoir) | 11000             |

### Note:

- The robot will perform scanning at the beginning of the run and tip refills, it will detect covers on C3-3 and C4 as well as not enough tips for the entire process. Ignore buttons should be selected to notify the robot that you are aware of it in order to proceed further steps.
- Tip refills should be performed during incubation times to avoid interrupting the arm movement.

### Approximate timeline

