Yeast Transformations

5 ml of log phase cell (OD=0.5-0.8) *for several transformations, one large culture can be used to start
Boil ssDNA 5 min and snap on ice
Spin culture in conical tube for 3 min @ 3 K
Wash with ½ vol. H_2O, discard supernatant
Add 1 ml 0.1M LiOAc and transfer to an eppendorf
Spin 15 sec @ max, discard supernatant
Resuspend in 200 µl 0.1M LiOAc per transformation and split into individual tubes for each
Spin, remove supernatant by pipette
Add without mixing:

- 240 µl PEG 3350 (50% w/v)
- 36 µl 1M LiOAc (10x) on side wall
- 20 µL ssDNA (carrier)
- 64 µl DNA + H_2O (2 µg of plasmid or 15-20 µl of PCR)

Vortex 30-60 sec
Incubate for 30 min @ 30 ºC (waterbath)
Incubate for 23 min @ 42 ºC (waterbath)
Spin 15 sec @ 6 K, remove supernatant

For integration:

- Resuspend in 1.5 ml YPD and allow to grow 2-5 hrs
- Remove 1/10 culture, set aside
- Remove ½ and spin gently, remove supernatant leaving ~200 µl and resuspend
  - → spread 1/10 and ½ fractions on selective media

OR
For plasmids:

- Resuspend in 200 µl H_2O → spread on selective media