

Spotting assay for growth

1. Grow strains over night in 5 ml liquid medium (e.g. YPD) at 30°C
2. Measure OD₆₀₀ and prepare dilutions of OD₆₀₀ = 1 with sterile H₂O
3. Dilution series: 10⁰, 10⁻¹, 10⁻², 10⁻³ (use 96-well plate)
4. Drop dilutions onto appropriate plates using a multipipette, creating a grid of descending cell concentrations. Drop size depends on dryness of plates and medium used: usually between 2 and 5 µl. Make sure the tips are well aligned.
5. Let plates dry completely or drops will run into each other.
6. Incubate at appropriate temperature (usually between 20 and 37°C)
7. Take photographs at different days of incubation since differences can change quite drastically during growth.