Spot testing yeast strains

(useful for testing UV, sensitivity to different media etc)

1. Grow up strains to saturation. Measure OD of 1:20 dilution and dilute so that OD600 = 1. If cells are in +thiamine medium and are being transferred to –thiamine plates, spin down, wash x2 in sterile water. Resuspend and dilute in sterile water so that final OD600 = 1.

2. Using a microtitre plate make 10 fold serial dilutions (20 ul culture + 180 ul water)

first well is undiluted, $2^{\text{nd}}$ $10^{-1}$ dilution, 3rd $10^{-2}$ dilution etc

range undiluted to 10-4 dilution usually okay

3. Spot out 10 ul from each well onto relevant plates. Plates must be dry to allow spots to soak in quickly – do not use fresh plates (or if fresh dry in 70°C oven for 10-15 min, and cool before use) Allow to soak in and incubate.