

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, 2nd 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.

