

Protocol for testing the Estrogen Sensitive Sensor

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1. Start a 3 ml overnight culture in LB+cam+kan from a single colony
2. Diluted 100 μ l of the overnight into 2 ml of LB+cam+kan
3. Incubated with shaking at 300 rpm at 37 °C for ~1.5hr, to an OD of 1.0
4. Remove cultures from 37 °C and take 100 μ l for a time = 0 TECAN analysis
5. Added 2.0 μ l estradiol (5 mg/ml stock in 50% EtOH/25% glycerol/25% water, 15 mM)
6. Incubate at 30 °C with shaking at 300 rpm
7. At time points removed 100 μ l and read immediately in the TECAN