

Lab Application Assay

- Inoculate an overnight culture of *S. cerevisiae* (transformed with lab application) in 10 ml YP-Raffinose. Incubate at 180 rpm, 30°C. Inoculate a negative control composing of untransformed *S. cerevisiae*.
- On the following day, inoculate the following main cultures:
 - 1 x SD – Trp + raffinose, start OD 0.2
 - 1 x SD – Trp + galactose (4%)
 - 1 x negative control in SD + Trp + glucose (2%)
- At OD 0.4, induction with galactose (4%).
- Measure the fluorescence every 2 hours.
- TECAN Infinite M200 settings: excitation: 494 nm, emission: 525 nm, gain: calculated from fluorescence of 0.25 μ M fluorescein.

From: iGEM Bielefeld-CeBiTec