Galactose induction

Material

2% glucose

Shaking incubator at 30℃

Shaking incubator at 18℃

PBS

UV spectrometer

MediaA (yeast nitrogen base, MET, LYS, HIS, URA)

Protocol

1. Transformed cells were plated on 2% agar in media A (yeast nitrogen base, MET, LYS, HIS, URA), complemented with 2% glucose. Culture it at 30℃ for 48~72h.
2. The colonies were inoculated in the liquid media A complemented with 2% glucose and were grown at 30℃ until they reached the exponential phase.
3. Stop the culture for the moment and wash the cells to remove the glucose by PBs.
4. Pelleted and diluted the cells to a OD600 0.5, cultured them in the liquid media A with 2% galactose at both 30℃ and 18℃ at the same time.