

Resource Summary Report

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Calibration Protocol - Conversion of OD600 to Colony Forming Units (CFUs)

DOI:10.17504/protocols.io.5gjjg3un

Type: Protocol

Proper Citation

Paul Rutten, Richard Tennant, Jacob Beal, Christopher Workman, Traci Haddock-Angelli, Natalie Farny, Vinoo Selvarajah 2019. Calibration Protocol - Conversion of OD600 to Colony Forming Units (CFUs). protocols.io dx.doi.org/10.17504/protocols.io.5gjjg3un

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.5gjjg3un>

Authors: Paul Rutten, Richard Tennant, Jacob Beal, Christopher Workman, Traci Haddock-Angelli, Natalie Farny, Vinoo Selvarajah

Group: iGEM Measurement

Summary: This procedure can be used to calibrate OD600 to colony forming unit (CFU) counts, which are directly relatable to the cell concentration of the culture, i.e. viable cell counts per mL. This protocol assumes that 1 bacterial cell will give rise to 1 colony. For the CFU protocol, you will need to count colonies for your two Positive Control (BBa_I20270) cultures and your two Negative Control (BBa_R0040) cultures. Protocol based on this Yeast Plate Count Protocol.

Affiliations: iGEM Measurement Committee, iGEM Measurement Committee, iGEM Measurement Committee, Technical University of Denmark, iGEM, Worcester Polytechnic Institute, iGEM

External URL: <https://2019.igem.org/Measurement>

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