

Resource Summary Report

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Calibration Protocol - Particle Standard Curve with Microspheres

DOI:10.17504/protocols.io.zgjf3un

Type: Protocol

Proper Citation

Richard Tennant, Paul Rutten 2019. Calibration Protocol - Particle Standard Curve with Microspheres. protocols.io dx.doi.org/10.17504/protocols.io.zgjf3un

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.zgjf3un>

Authors: Richard Tennant, Paul Rutten

Group: iGEM Measurement

Summary: You will prepare a dilution series of monodisperse silica microspheres and measure the Abs_{600} in your plate reader. The size and optical characteristics of these microspheres are similar to cells, and there is a known amount of particles per volume. This measurement will allow you to construct a standard curve of particle concentration which can be used to convert 600 nm absorbance measurements into an estimated equivalent number of cells.

Affiliations: iGEM Measurement Committee, iGEM Measurement Committee

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

Version: 1

Publication Date: 2019

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