

Interlab Study - Cytometry characterization

Materials

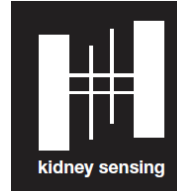
- LB medium
- 0.01 mol L⁻¹ Phosphate Buffered Saline (1 X PBS)
- Sheath fluid
- Flow cytometry tubes

Apparatus/Equipment

- Laminar flow cabinet
- Centrifuge
- Shaker
- Benchtop Flow Cytometer

Method

- Growth bacteria with biobricks 1, 2 and 3 and control for 16 hours in LB medium under stirring of 150 rpm at 37 °C.
- Culture is diluted until obtain OD₆₀₀ ~ 0.01
- Wash with 0.01M Phosphate Saline Buffer (1X PBS) at same proportion for OD₆₀₀ ~ 0.01
- Centrifuge for 15 minutes at 4400 rpm.
- Discard supernatant
- Repeat the last three steps
- Resuspend in sheath fluid
- Measure at Flow Cytometer



Software

- BD CellQuest™ Pro Software was used to data acquisition and analysis.

Cytometer model and manufacturer

- Benchtop Flow Cytometer
Model:BD FACSCalibur™ Flow Cytometer
Manufacturer:Becton, Dickison and Company, BD
Biosciences, San Jose, CA, USA.