

# Cytometry characterization

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## Materials

- LB medium
- 0.01 mol L<sup>-1</sup> Phosphate Buffered Saline (1 X PBS)
- Sheath fluid
- Flow cytometry tubes

## Apparatus/Equipment

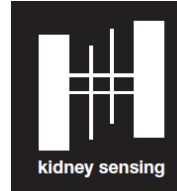
- Laminar flow cabinet
- Centrifuge
- Shaker
- Benchtop Flow Cytometer

## Method

- Growth bacteria with assemblies and control in LB medium under stirring of 150 rpm at 37 °C.
- Culture is diluted until obtain OD<sub>600</sub> ~ 0.01
- Wash with 0.01M Phosphate Saline Buffer (1X PBS) at same proportion for OD<sub>600</sub> ~ 0.01
- Centrifuge for 5 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.