## Flow Cytometry Protocol

*E.coli* containing the backbone(AraC3), C protein characterization construct (Lysogenic module: BBa_K3024004), Inducible Cox characterization construct (Lytic module:BBa_K3024011), Switch Plasmid (http://parts.igem.org/Part:BBa_K3024015), fluorescence reporters GFP and RFP were grown overnight in 37°C in TSB and induced for 5 hours with Arabinose (0.2%).

**Step 1: Preparation**
50 µl bacteria were taken out of each flask after 5 hours of induction with Arabinose (0.2%)

The samples were centrifuged at 13 000 rpm for 3 minutes.

The supernatant of each sample was discarded and the cells were resuspended in 750 µl Phosphate-Buffered Saline (PBS).

**Step 2: Analysis**
The Flow Cytometry machine (Gallios Flow Cytometer from Beckman Coulter) was set up with gating systems for detection of RFP and GFP in *E.coli* and cleaned according to protocol.

The data was collected and analyzed in the Flow Cytometry analysis software Kaluza.