Measuring Blue chromoprotein

Introduction
Get started by giving your protocol a name and editing this introduction.

Materials
› Spectrophotometer
› IPTG
› LB
› cuvettes/microplate

Procedure

Note! When you do this for the first time, make 4 parallel samples to find the correct IPTG concentration.

1. Start a 2ml (LB) o/n culture of blue chromoprotein producing bacteria

2. In the morning, refresh the o/n culture by pipetting 100µl of the culture into 50ml of fresh LB (erlenmeyer bottle)

3. 4 hours after the refreshing, add prewarmed (+37°C) IPTG to create three different final concentrations of IPTG:
   - 0.05mM
   - 0.5mM
   - 1.0mM

4. Start measuring the absorption of the blue chromoprotein with 588nm every 30 minutes.
   (continue measurements for at least 4 hours)

5. With each measurement, determine the amount of bacterial cells by also measuring the same sample at 850nm