WEEK 5

4.29 Juan Luo

Error analysis of 96-well plate and deep-hole plate

As we can see from the data, there was no obvious difference between deep-hole plate and 96-well plate under shaker culture condition. Most of the differences in the experimental group were within the predicted range. With the complexity of the system, the data instability is stronger. A single group (three) data generally have a large error. Therefore, it is speculated that experimental equipment and operation errors may lead to data errors.

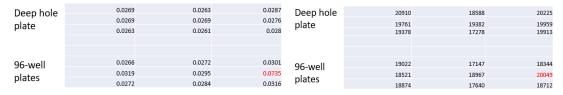


Figure 1 The OD₆₀₀ (left) and fluorescence (right) values of deep hole plate and 96well plate containing LB liquid

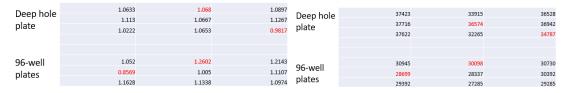


Figure 2 The OD₆₀₀ (left) and fluorescence (right) values of deep hole plate and 96well plate containing LB liquid and wild type bacteria

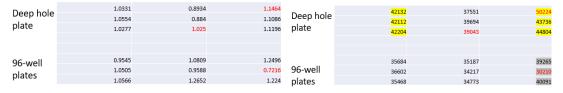


Figure 3 The OD₆₀₀ (left) and fluorescence (right) values of deep hole plate and 96-well plate containing LB liquid, 4HB and wild type bacteria