

8/2/17

Wednesday, August 2, 2017 2:35 PM

WHO's in Lab: Ayesha, Nathan

SUMMARY:

Started overnight culture of DH5a and BL21 cells in SOB Media. 10 ml SOB Media + 10 ul bacterial cells in each tube. The tubes are put in the 37C shaker overnight. Labels:

- DH5a + SOB 8/2/17
- BL21 + SOB 8/2/17

Made more 1000 ml SOB media, followed protocol from thelabrat.com SOB media protocol.

We are trying to get the OD of these starter cultures to 5.0. This measurement indicates that the cells have just reached the stationary phase. AN OD of 6-8 indicates that the cells are nearing the end of the stationary phase, as explained by Tyler.

TOMORROW:

Add the cells from each cell culture to 250 mL of SOB media once the starter cultures have reached 5.0 OD measurement.

We want the 250 mL SOB+cell cultures to each have an OD of 0.01. You can figure out how much to add from the starter cultures with OD 5.0 using the $C1V1=C2V2$ equation.

C1= OD of the starter culture

V1= volume that we will need to add to the 250 mL SOB media

C2= OD that we want of the 250 mL culture

V2= 250 mL (volume of the SOB media)