

8/3/17

Thursday, August 3, 2017 1:36 PM

Who's in Lab: Ayesha

1) The 10 mL starter cultures from yesterday were not used today. The DH5a tube opened and spilled its contents while on the shaker. The BL21 tube had an OD of 11. These cells are the death stage. Hence, these could not be used.

2) I restarted the cultures and got BL21 to OD 6.0. I added 0.416 mL of this starter culture to 250 mL of SOB media. This number was determined using $C1V1=C2V2$ equation**

**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)