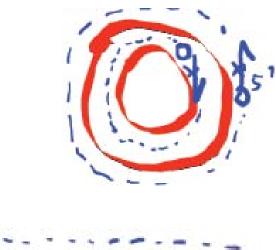
- Announcements
- Quiz
- Pre-lab Lecture
 - Interpreting transformations
 - ✤ E. coli growth
 - Today in Lab (Mod 2 Day 4)

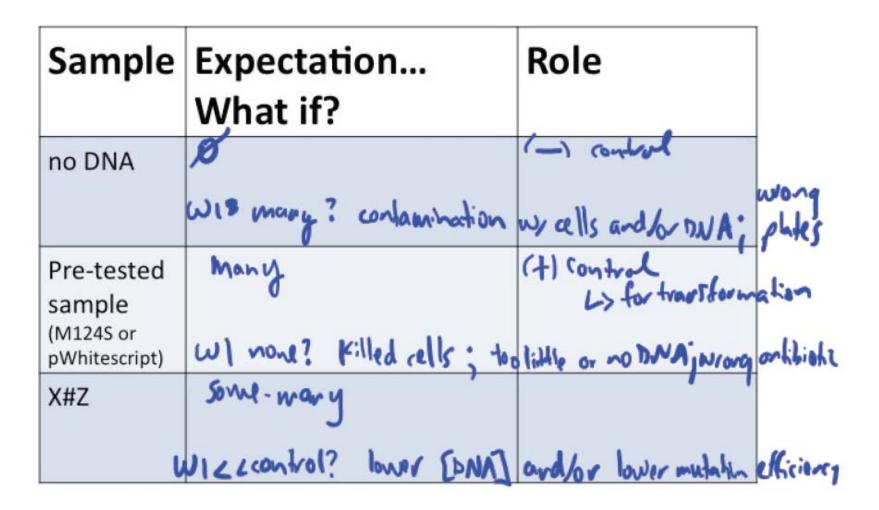
Announcements

- Report return today, revision due in 2 wks
- Some general comments
- Module 2 vs. Module 1 expectations
- Previous FNT

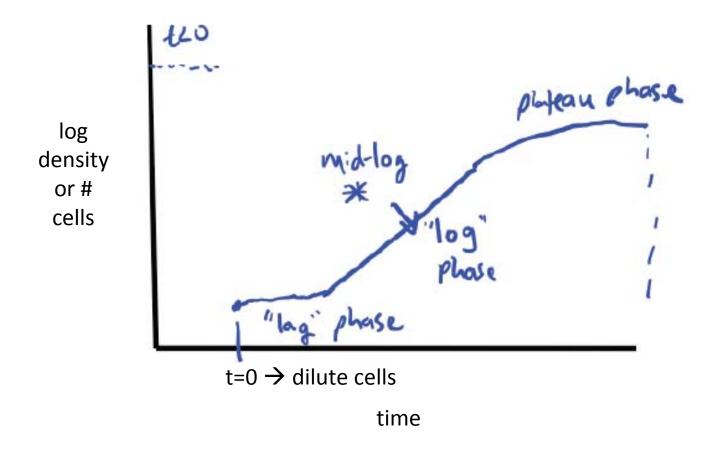
#1 careful look @ protocol#2 micro <u>and</u> macro#3 show explicitly



Transformation Controls + Outcomes



E. Coli growth curve



Extracting DNA from XL1-Blue

Step	Contains	Purpose
Soln. I		> weakens cell envelope
Soln. II	SDS ~~~ Not	> otherwise stoble disrupt > solulinge proteins, holds > membrane > dsDNA > ss DNA OD
Soln. III	Acetic acid/KAc	» neutralize pH » plasmid » neutralize pH » plasmid re-nature
Transfer,	N/A	isolate plasmid
Final steps	EtOH, H ₂ O, drying	Elon precipitales DWA, inhitits enzymatic reactions

Today in Lab

- Obtain DE3 in mid-log phase, make competent
 - -1 hour incubation 0.4 0.6 OD (keep in mind 1:10)
- Extract DNA from two mutant candidates
- Transform DE3 with the extracted DNA
 - $-\frac{1}{2}$ hour incubation
- During incubation(s): count mutant colonies, - digests and sequencing rxns - digests and sequencing rxns

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