**Grow Bacteria for Protein Purification**

**To be arranged with RI program site.**

A couple days before Laboratory 6, prepare a suspension culture of bacteria that have been transformed with the pARA-R (provided in your kit). (typically marked with a T or” transf cells”)

**Materials:**

* 1000ul Pipette
* Transformed cells (provided in kit)
* Sterile flask containing LB/amp broth
* Shaker
* 3 tubes of sterile arabinose

1. **Start your lab 6 culture 4-5 days BEFORE you will need it. It can be stored in the refrigerator until the lab.**
2. **Inoculate the LB amp broth with vial of transformed cells when you get to school in the morning.**
3. **After several hours of shaking (This can be anywhere from 2-3 hours) and when the broth starts to turn cloudy but not TOO cloudy), add the arabinose (1 full tube).**
4. **Continue shaking overnight. We have enclosed an additional tube of Arabinose; you can add before you go home for the night.**
5. **If your culture is not bright pink the next morning, add the other tube of arabinose and let it continue to shake through the next day. pare the suspension culture:**
6. Optimal



Ok to use

Not optimal

Optimal