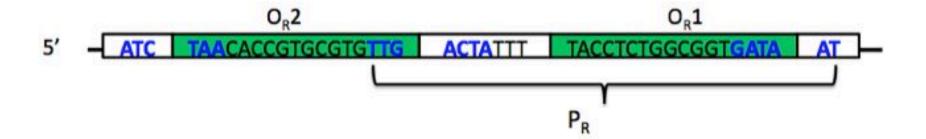
- Announcements → an "in-time" module
- Lab Quiz
- Pre-lab Lecture
 - Lambda promoter(s)
 - Miller assay
 - ❖Today in Lab: M2D2

Lambda promoter(s)



Consider: What happens to promoter strength when we combine with *lux* promoter? What elements impact strength?

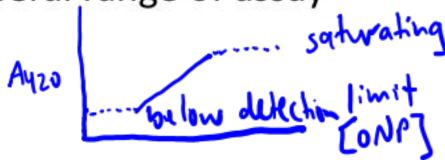
Bonus reading: Mutations exist that affect operator strength.

β-gal assay: background

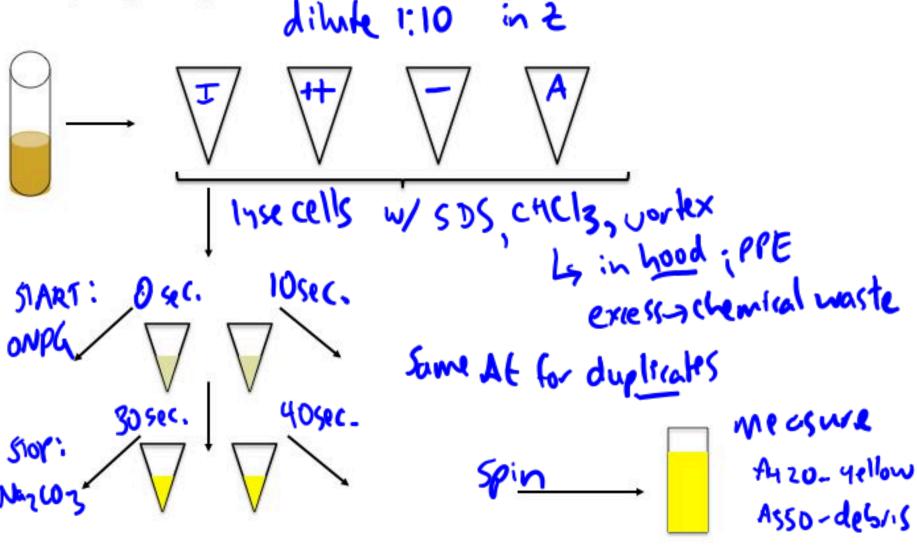
- β-gal is protein encoded by lac t
- ONPG is used to detect β-gal. How?

Wikimedia Commons, public domain image

Useful range of assay



β-gal practice assay: workflow



Today in Lab (M2D2)

- First, design a modification to P_{lux-lambda}
 Must finish primer design by 2:45 (ideally 2:30)!

 - Continue with wet lab work only after that is done
- β-gal assay for IPTG-based system truth table
 - calculations and figure FNT
- Briefly look at edge detection plates