

- Announcements
- Quiz
- Pre-lab Lecture
 - ❖ ELISA
 - ❖ qPCR

Announcements

- Module 2 final draft due D6, 11 am
- Module 3 report due D7, 5 pm
 - informal but clarity remains paramount
 - may be partly or completely done with partner
- Final project: presentations on Day 8
- Day 7 lecture
 - Atissa on presenting with a partner
- Day 8 lecture: special topics in TE
- Final lecture: class discussion/evaluation; party

ELISA

① bind protein

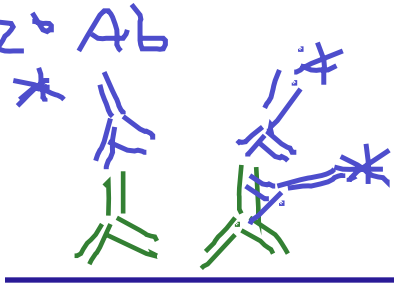


o Δ Δ o o

③ 1° Ab



⑤ 2° Ab



② block w/ milk

Δ = cN
o = other

④ wash (Tween 20 - soap)



⑥ substrate
→ color



1° Ab = α - cN
(raised in rabbits)

2° Ab = α - rabbit
(goat raised)

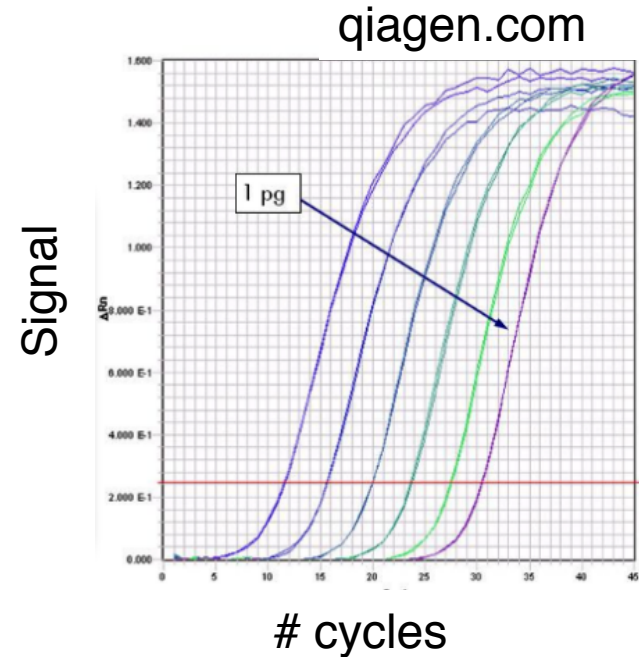
* = alkaline phosphatase
color ∝ starting [cN]

☆ spin for 5'

qPCR

- Real-time tracking of [DNA]
- Threshold cycle
 $\hookrightarrow \downarrow$ as [cDNA] for gene of interest \uparrow
- Be very careful pipetting samples today (amount, location)!

Red \rightarrow $\frac{II}{12}$ $\frac{III}{12}$ 185
 Orange \rightarrow \downarrow \downarrow \downarrow



5 μ L of cDNA
we add
 20 μ L of MMix