

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

Announcements

- 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
 - Optional videotaping
- 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 → wash



② block w/ milk protein



Δ collagen
○ other

③ 1^o antibody



④ wash (Tween = soap)



1^o Ab = anti-collagen
(raised in rabbits)



⑥ substrate



2^o Ab = anti-rabbit
(raised in goats)

• alkaline phosphatase

colour of starting [protein]

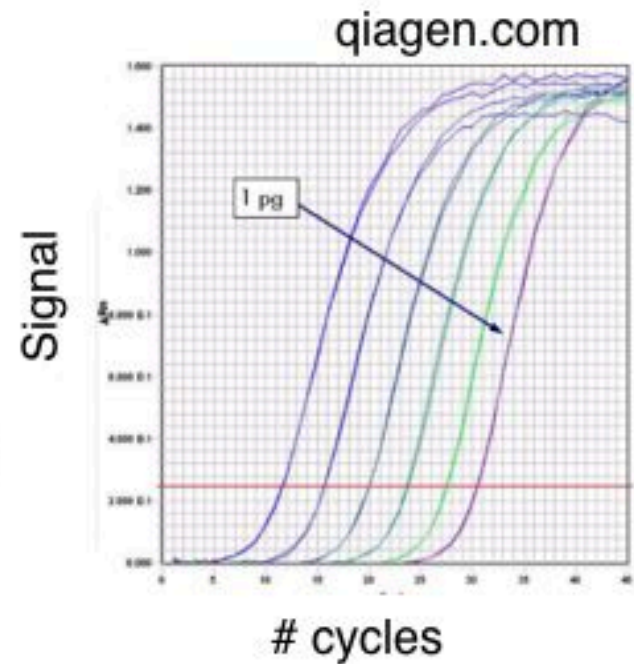
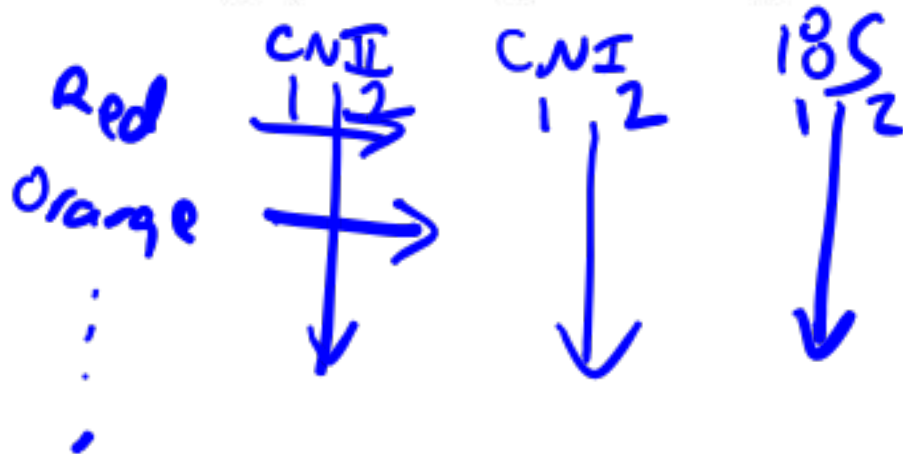
★ ★ spin samples for 5', max speed ★ ★

qPCR

- Real-time tracking of [DNA]
- Threshold cycle

$C_T \downarrow$ as $[cDNA]$ for
gene of interest \uparrow

- Be very careful pipetting samples today (amount, location)!



5 μ l of diluted cDNA
We add 20 μ l of m. mixes