

- Announcements

- Pre-lab Lecture

- ❖ ELISA

- ❖ qPCR

Announcements

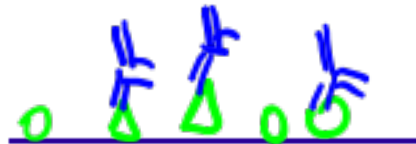
- Final quiz and final FNT next time
- Module 3 report due M3D7, 5 pm
 - less formal but clarity remains paramount
 - may be partly or completely done with partner(s)
- Final project: proposals presentations on M3D8
- More about assignment scopes/expectations next time
 - rubrics available as always on *Assignments* page
- Day 7 lecture
 - Atissa on presenting with a partner
- Day 8 (and 7-2?) lecture: special topics in TE
- Final lecture: class discussion/evaluation; party

ELISA

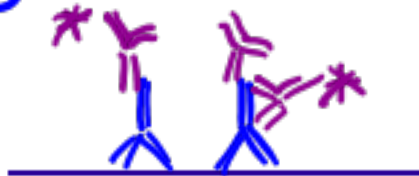
① bind protein



③ 1° Ab



⑤ 2° Ab



* alkaline phosphatase (AP)

② block w/milk



④ wash w/Tween 20



⑥ substrate for AP
→ colorimetric rxn



* samples ⇒ spin for 5'

$\Delta = \text{CN}$
 $\circ = \text{other proteins}$

1° Ab = α -CN
(raised in rabbits)

2° Ab = α -rabbit
(raised in goats)

qPCR

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

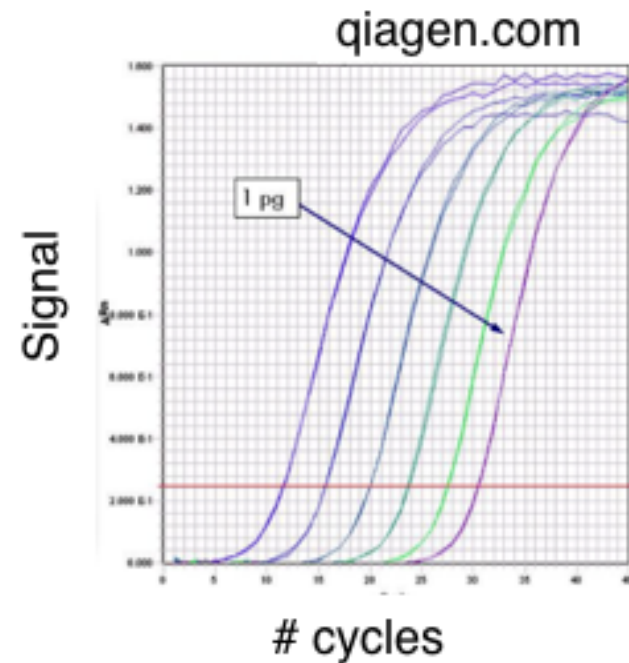
CT ↑ as [cDNA] for
gene of interest ↓

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

Red
Orig
:
:
|

II
I
18S

H1 H2 2-1 2-2
"
"



5 μ L of cDNA
we add 20 μ L
of M Mix(es)