- Announcements
- Quiz
- Pre-lab Lecture
 - * RT-PCR
 - Today in Lab (Mod 3 Day 4)

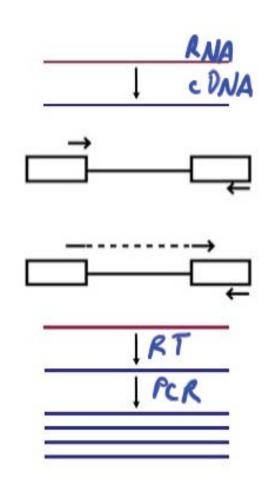
Announcements

- Module 2 report return
 - Revision due in 1 week
 - General comments → more during lecture 5
- During down-time today
 - Prep RNA area
 - Work on Module 3 report (viability analysis)
 - Other as you see fit

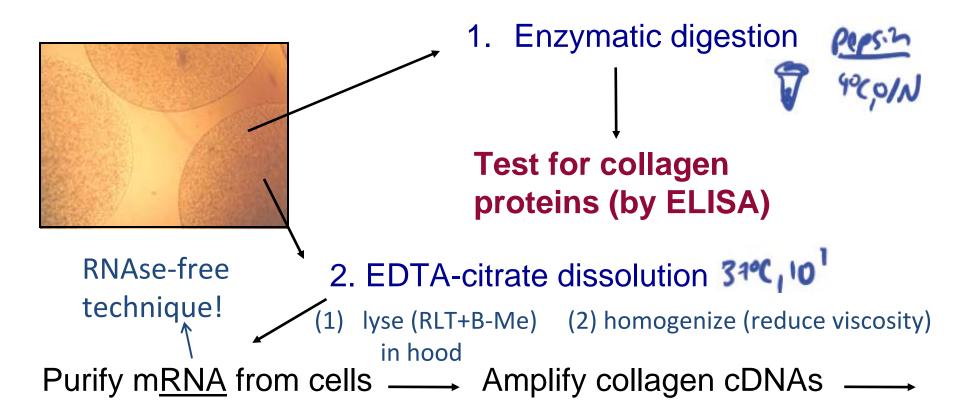
Day 4: RT-PCR recap

- RT = reverse transcriptase
 - what does this enzyme do?
- Unique primer design needs
 - how to isolate transcript...
 - ... but not genomic DNA?
- RT and PCR can be done in one reaction or two
 - enzyme de/activation by temperature
 - hot start enzymes in general
- What kinds of controls are desired?

internal control with a co-amplified housekeeping gene → control for starting amount(s)



Module overview: 2nd half



Next time run a gel to compare collagen I and II transcript levels, normalized to GAPDH

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