- Announcements: OH /k St. 2-5 in he ANK Sun 45:30 16-336
- Lab Quiz
- (ANS The 3-4 16-319) ■ Pre-lab Lecture + comments on Drafts
 - Your Colony Results
 - Tissue Culture
 - Safety + Technical Tips

Interpreting Your Ligation Results

Group Colour	pCX-EGFP (#)	bkb + lig (#)	bkb + ins, no lig (#)	bkb + ins, lig 1 (#)	bkb + ins, lig 2 (#)
Hypothetical Data	1000	0	2	100	100
Red	756	6	0	69	56
Green	1600	2	0	1	0
Blue	2740	6	1	0	3
Pink	1696	10	0	13	4
Purple	2192	48	6	188	232

Consider...

- Why might some groups not have gotten many exptl colonies?
- What does the no ligase vs. the no insert sample control for?
 Which one do you expect to have more colonies?
- How big is the variation for identical samples, and what are the possible sources of error causing the variation?

Tissue Culture (TC) Environment

What will "feel" physiological to a cell?

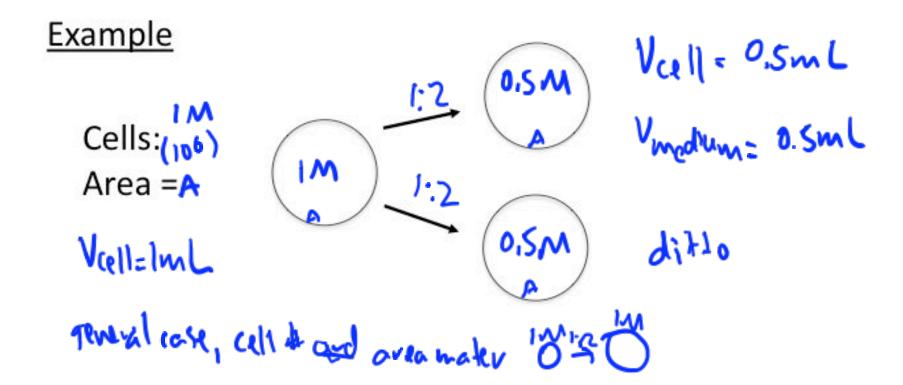
Tissue Culture (TC) Medium

What do cells need to survive?

```
food/lik: c-source glucok and to glutamine enegy
              essental amino actos
(allen hon-essentiall) > building blochs
vidamins, minorals, lipids > for rens.
             serum - Cytokines (growth factors) from is, lipids
                                               14 indicator (phod red)
non-food: antibiotics (Pen/step)
```

Passaging Cells

- Cells need room to grow
- They are split or "passaged" every 1 to N days



Today in Lab

Join me for a TC demo and practice lab

Set up gels with diagnostic digest samples

 While the gels run, you will discuss writing issues with Neal and Linda (~3:30 pm)