

Assignment 6: Cell Numbers, Growth and Kinetics

Cell and Tissue Engineering

1. Exercise 4.8 From *Tissue Engineering*, Saltzman
2. Exercise 4.9 From *Tissue Engineering*, Saltzman
3. You're excited when you hear that you've been given a new pre-clinical research project where you'll be culturing liver cells and testing new drug compounds for toxicity. You know that the liver has great regenerative properties, so you attempt to cell and explant cultures from your rodent liver biopsies. To your dismay the cells aren't growing in culture – in fact they are dying. Please explain what factors you can control in tissue culture and how these might negatively affect your cell viability.

Assignment Rubric

Question	Component	Total Point Value
1	A	4
	B	4
	C	4
2		8
3		10

Total Point Value = 30

