**Cell Biology and Physiology Lab Project – Exposing HeLa cells to Epinephrine**

(L)-Epinephrine, 99%, Acros Organics

Molecular Formula: C9H13NO3

Molecular Weight (g/mol): 183.21

1 M solution would be 183.21g of epinephrine dissolved in 1 liter media.

Need lower molar concentrations:

You can use a Mass Molarity Calculator:

1.83g dissolved in 10ml media = 1 M solution Need to filter sterilize

* 1µl in 19.9ml media = 50µM (you can use a solution dilution calculator)
* 2µl in 19.8ml media = 100µM
* 4µl in 19.6ml media - 200µM

Experiment will run Monday-Friday

* Monday – seed your cells (we will seed at a low concentration, 5 x 103 cells/ml), let cells settle to bottom
	+ Monday afternoon or Tuesday morning – feed using test media, take picture of cells
* Wednesday – take picture of cells
* Thursday – take picture, will probably have to take off media and add fresh
* Friday – take picture

Your group will have 2 12-well plates; each well will get 1-1.5ml each:

