Cell Biology and Physiology Lab

Cell Passaging/Splitting Practice Worksheet Name:



1. You have trypsinized, spun down your cells and resuspended them in 5ml fresh media. You count and there are a total of 700 cells for all 4 boxes counted. You need to reseed your cells in flasks holding 5ml each. How many flasks do you need? \_\_\_\_7\_\_\_

 \_700\_cells/4 boxes x 2 x 10,000 = \_\_3.5 X 106\_ / 5 x 105 x \_5\_\_\_ml= \_\_\_35\_ ml

35ml/5ml = 7 flasks Therefore, I will bring my 5ml solution up to 35 ml (add 30ml more media) and then put 5ml into 7 new flasks

1. You have trypsinized, spun down your cells and resuspended them in 3ml fresh media. You count and there are a total of 420 cells for all 4 boxes counted. You need to reseed your cells in flasks holding 5ml each. How many flasks do you need? \_\_\_\_\_\_\_\_\_\_
2. You have trypsinized, spun down your cells and resuspended them in 5ml fresh media. You count and there are a total of 501 cells for all 4 boxes counted. You need to reseed your cells in flasks holding 5ml each. How many flasks do you need?\_\_\_\_\_\_\_\_\_\_