Rec. DNA Tech.

Molecular Problems

1. Convert a 100 mg/ml solution to the following units:
    a. μg/ml
    b. μg/μl

2. You need a concentration of genomic DNA to be 50 ng/μl in a total volume of 200 μl, but your stock is at a concentration of 192.4 ng/ μl how would you dilute this to the proper concentration?

3. What volume of a 25μM solution of MgCl would contain 5 pmol of MgCl?