

Honor Code _____

Date _____

Homework – Calculate the System's Sensitivity

1. 1.57 mCi of ^{99m}Tc is measured in the dose calibrator and placed into a Petri dish.
2. 0.35 mCi remains in the syringe
3. BKG = 112 cpm
4. The dish is placed on the camera and counted for 1 minute 10 times. What is the system's sensitivity?

257,574	252,222	264,557	255,988	257,759
264,254	259,547	278,551	258,364	249,539