**Table S1.** Concentration of ZnO:MgO-Nps, AuT1-Nps, AuT2-Nps, and Ag-Nps determined by NTA. The pico molar concentrations (pM) 1.5x, 1x, and 0.5x were calculated by dividing the NTA concentrations (particles/L) by the Avogrado’s number.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nps | NTA Concentration  (particles/mL) | Concentration 1.5x  (pM) | Concentration 1x  (pM) | Concentration 0.5x  (pM) |
| ZnO:MgO | 3.38x1010 ± 2.87x109 | 84.19 | 56.13 | 28.06 |
| AuT1 | 3.08x1010 ± 2.02x109 | 76.72 | 51.15 | 25.57 |
| AuT2 | 4.88x1010 ± 3.58x109 | 121.55 | 81.04 | 40.52 |
| Ag | 3.48x1010 ± 1.61x109 | 86.68 | 57.79 | 28.89 |