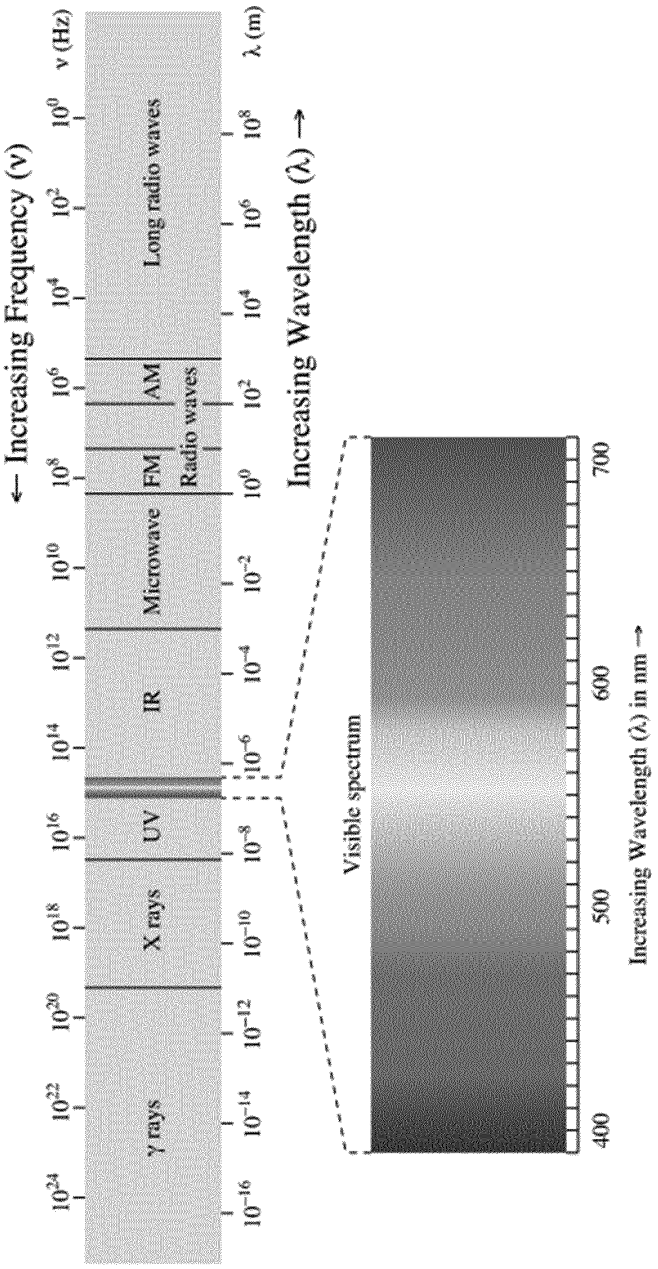

← Increasing Frequency (ν)
Increasing Wavelength (λ) →
ν (Hz)
λ (m)
γ rays
X rays
UV
IR
Microwave
FM
AM
Radio waves
Long radio waves
Visible spectrum
400
500
600
700
Increasing Wavelength (λ) in nm →

FIGURE 1

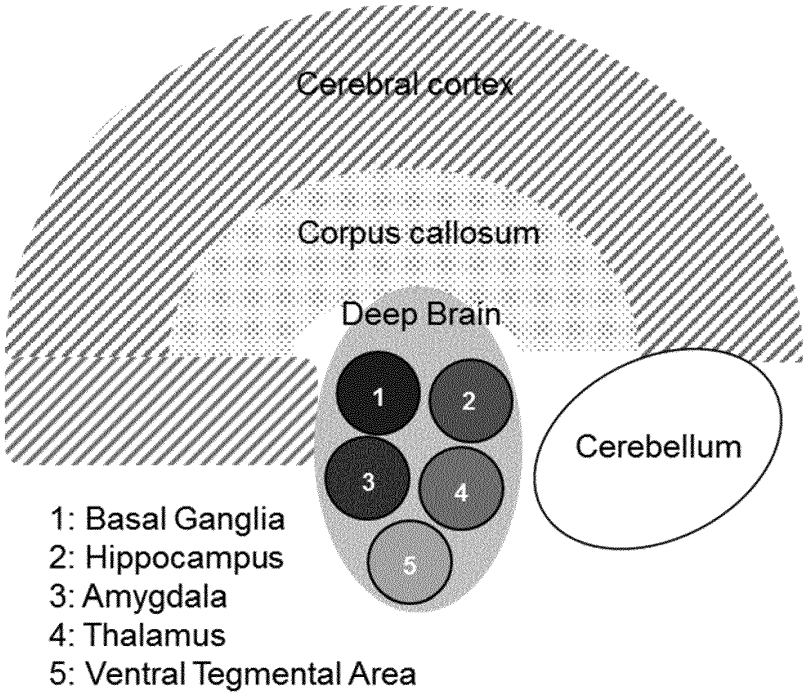

Cerebral cortex
Corpus callosum
Deep Brain
1
2
3
4
5
Cerebellum
1: Basal Ganglia
2: Hippocampus
3: Amygdala
4: Thalamus
5: Ventral Tegmental Area

FIGURE 2

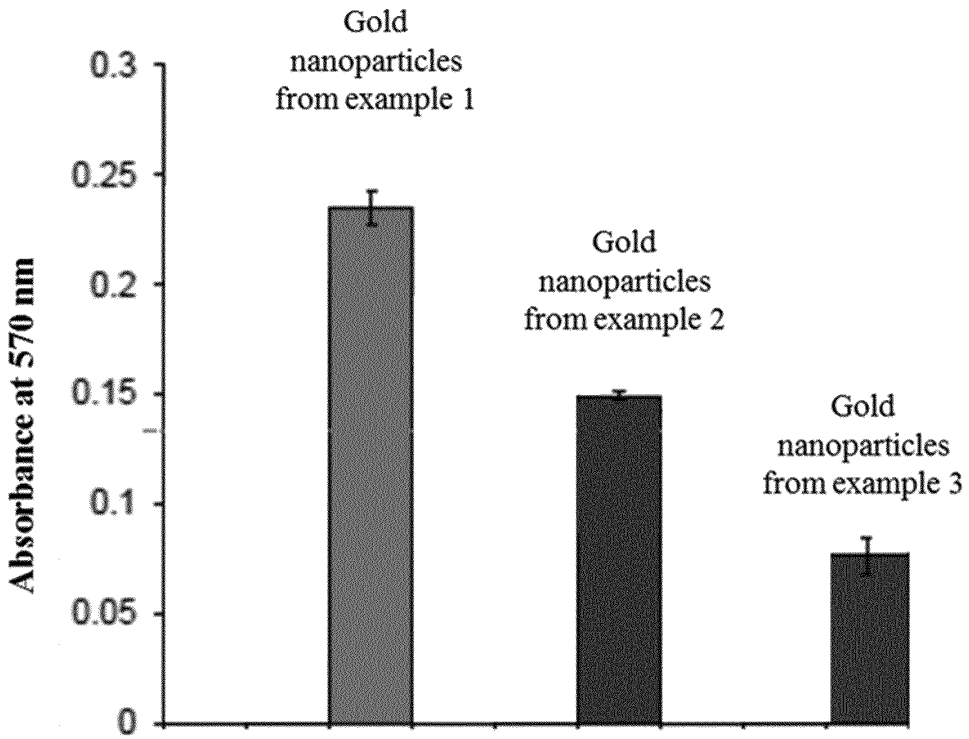

Absorbance at 570 nm
0.3
0.25
0.2
0.15
0.1
0.05
0
Gold nanoparticles from example 1
Gold nanoparticles from example 2
Gold nanoparticles from example 3

FIGURE 3

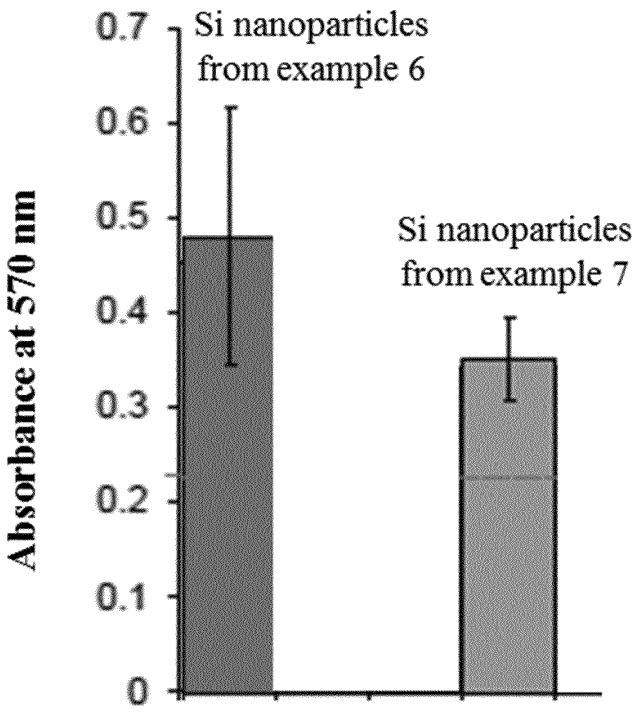

Absorbance at 570 nm
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Si nanoparticles from example 6
Si nanoparticles from example 7

FIGURE 4

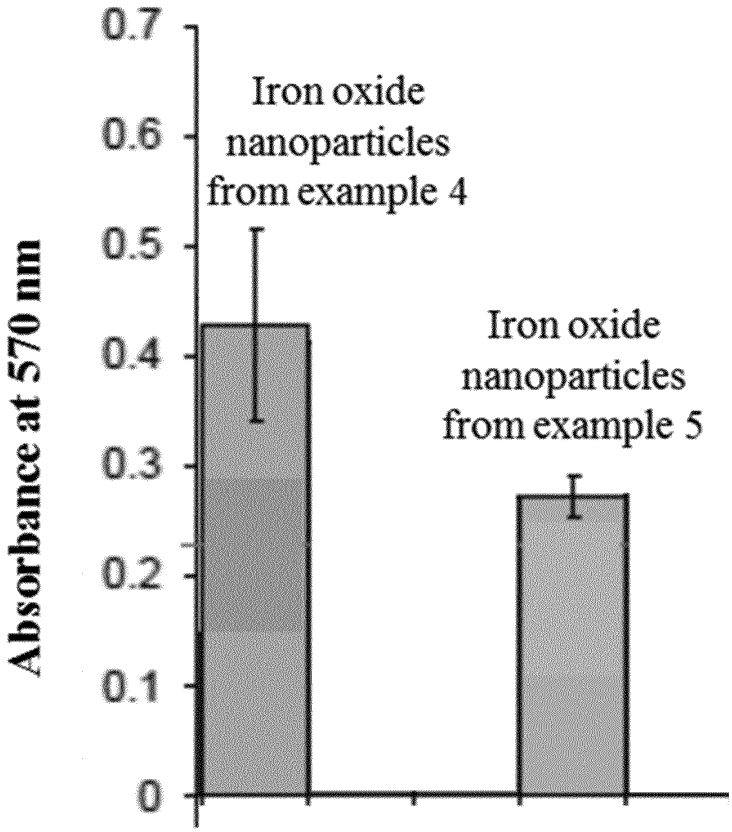

Absorbance at 570 nm
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Iron oxide nanoparticles from example 4
Iron oxide nanoparticles from example 5

FIGURE 5