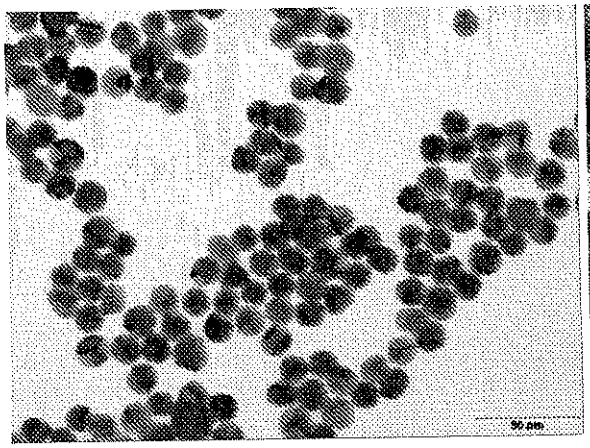
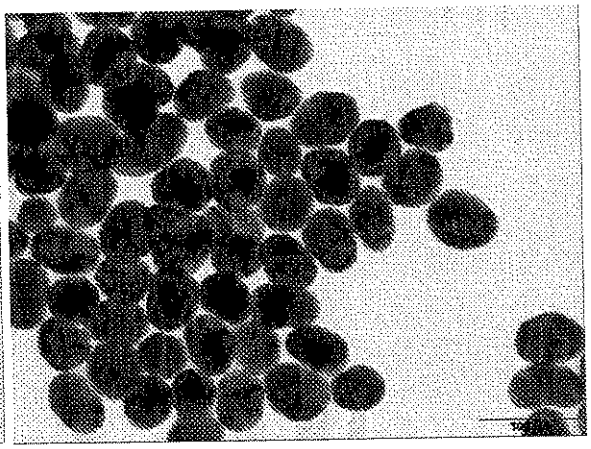
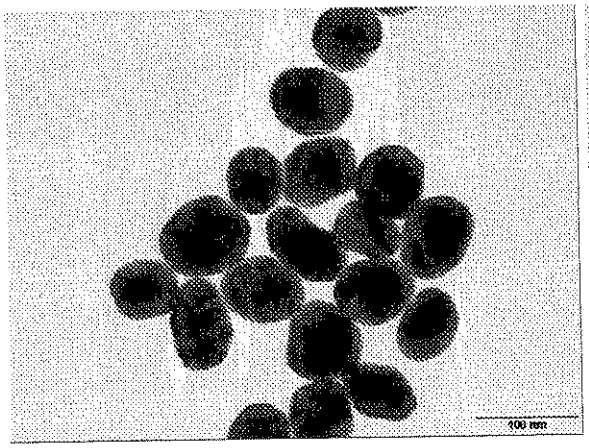
GOLD-15



GOLD-60



GOLD-80



GOLD-105

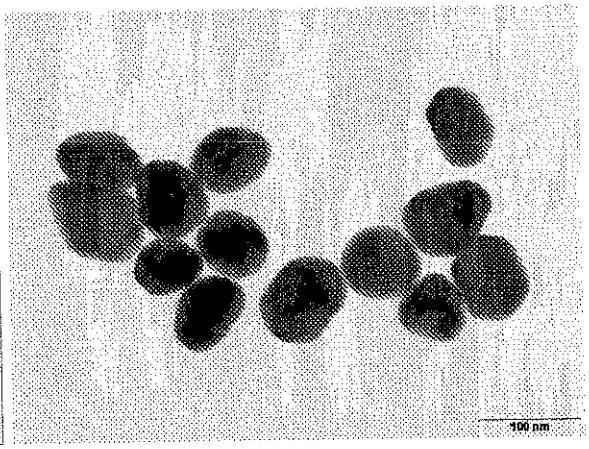
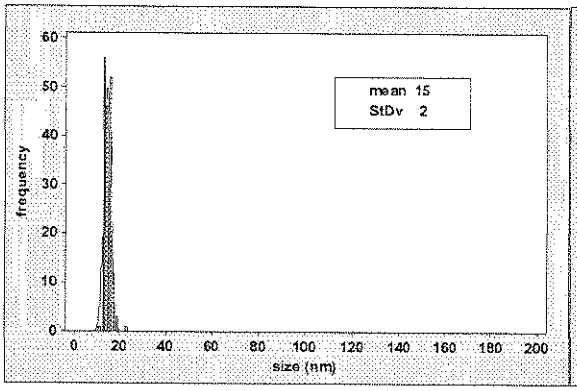
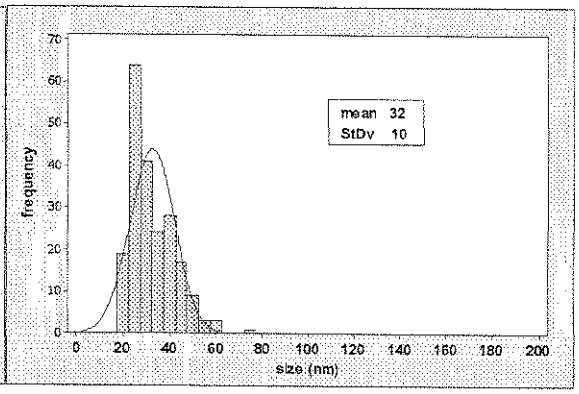


FIGURE 1A

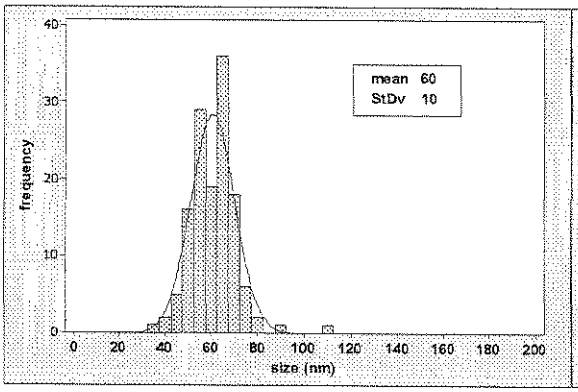
GOLD-15



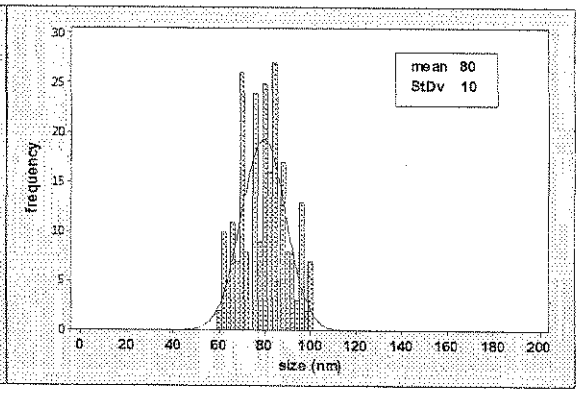
GOLD-30



GOLD-60



GOLD-80



GOLD-105

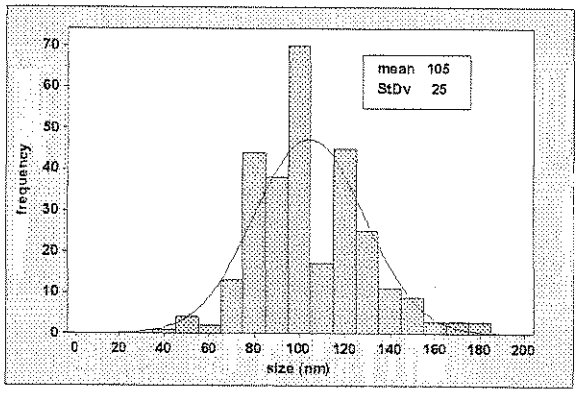
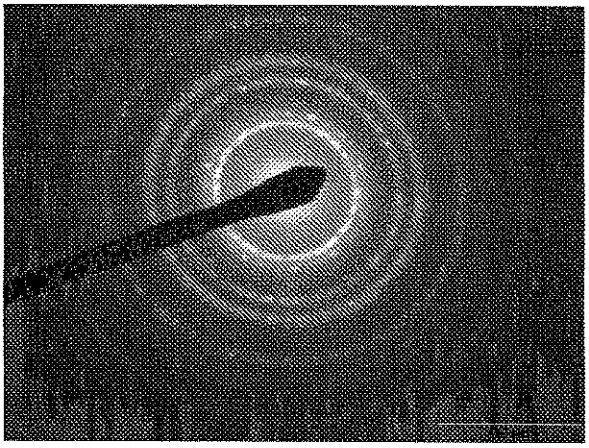


FIGURE 1B

REFERENCE



Gold nanoparticles GOLD-X nm (X=15, 32, 60, 80, 105 nm)

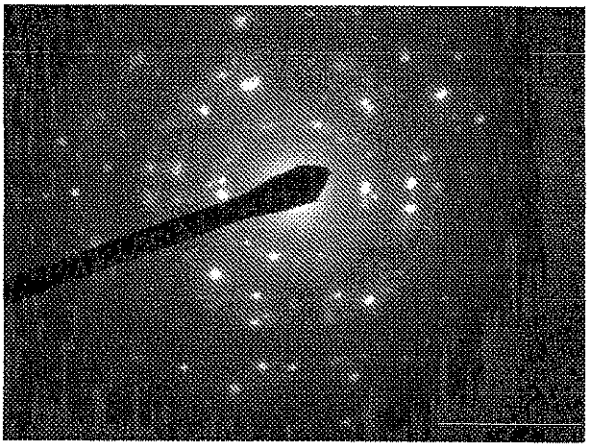


FIGURE 2A

REFERENCE: gold nanoparticles with CFC structure to determine Lλ:

Diameter (cm)		d_{hkl}		Lλ
D1	1,90	d_{111}	2,354	2,236
D2	2,20	d_{200}	2,039	2,243
D3	3,10	d_{220}	1,442	2,235
D4	3,65	d_{311}	1,229	2,243
				2,239

Indexation of gold nanoparticles from example 1:

Diameter (cm)		Lλ	d_{hkl}	Attribution
D1	1,90	2,239	2,357	d_{111}
D2	2,20	2,239	2,036	d_{200}
D3	3,20	2,239	1,400	d_{220}
D4	3,60	2,239	1,244	d_{311}
				Gold CFC structure

FIGURE 2B

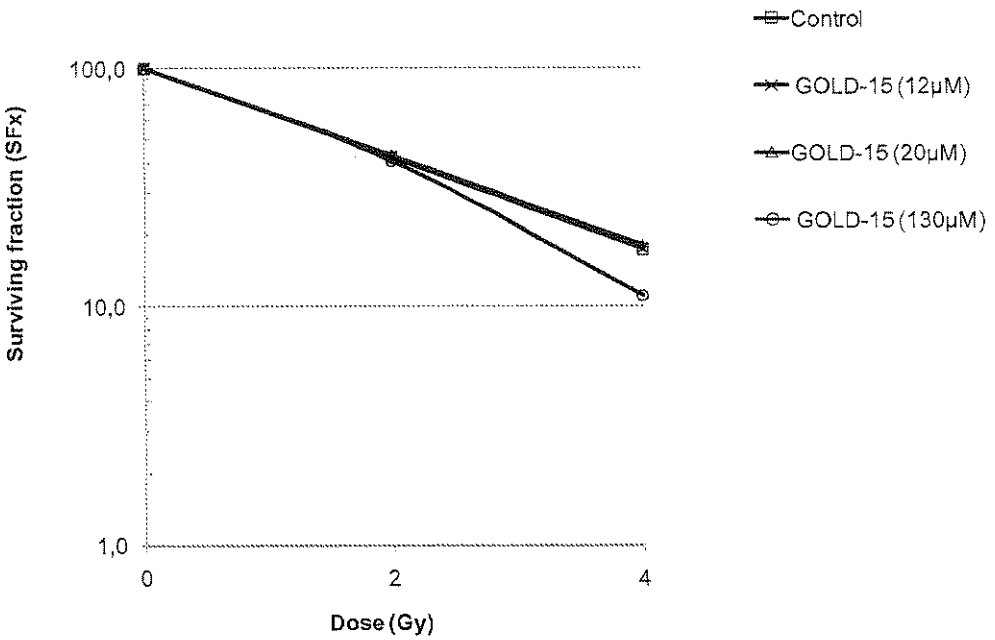


FIGURE 3A

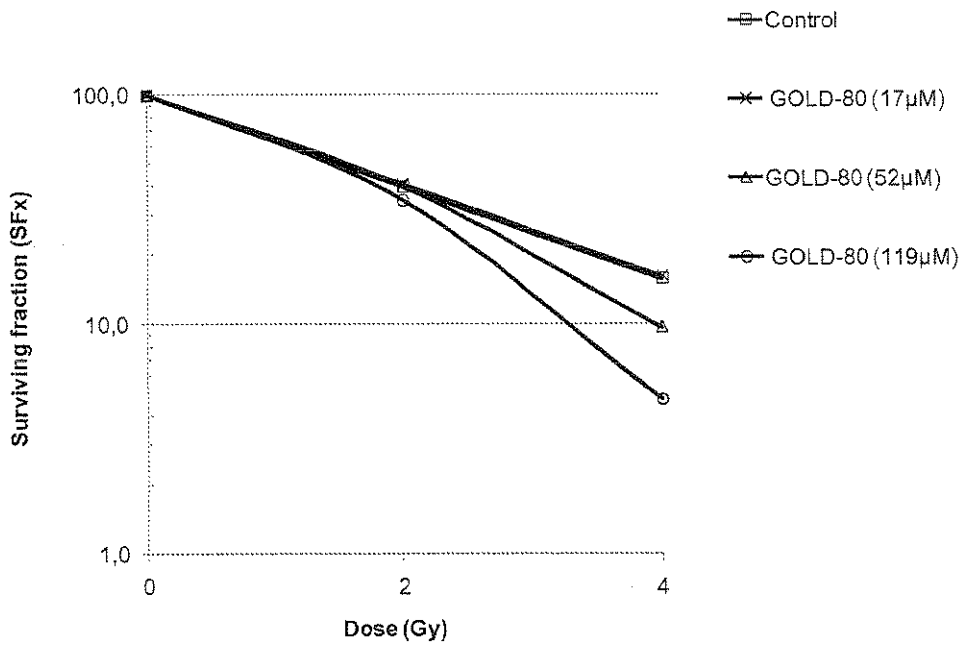


FIGURE 3B

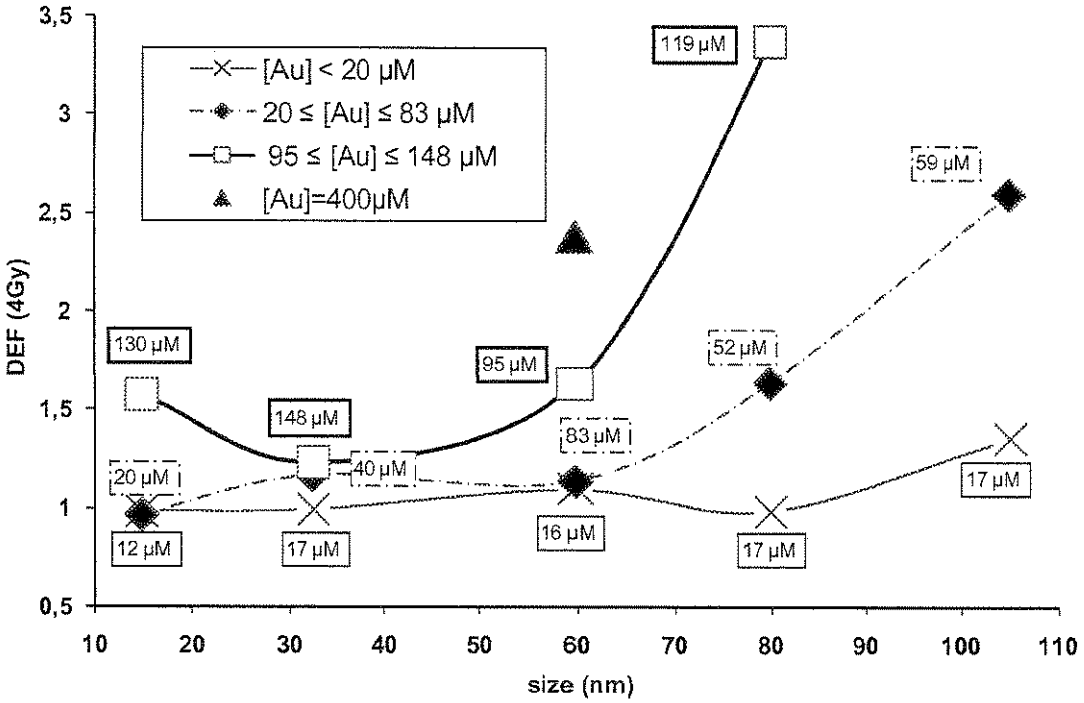


FIGURE 4A

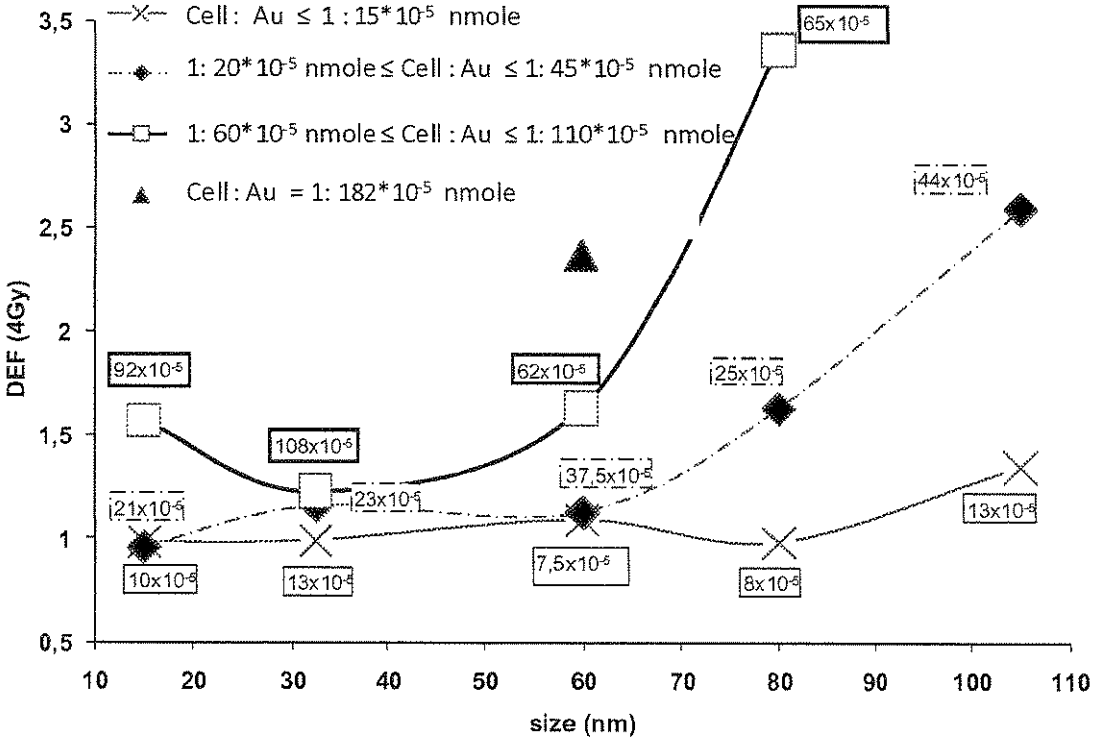


FIGURE 4B

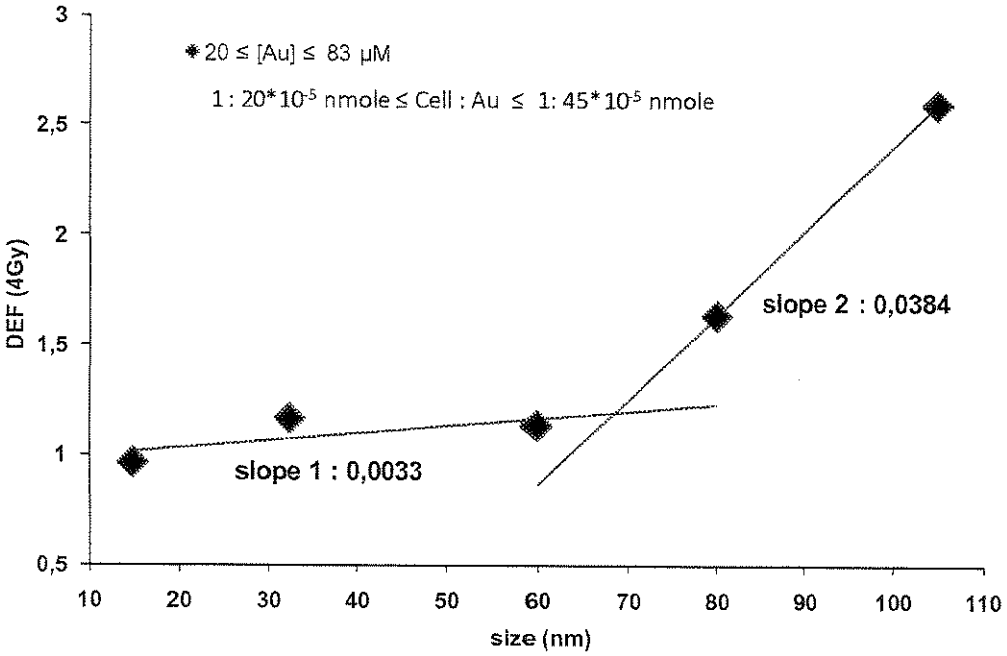


FIGURE 5A

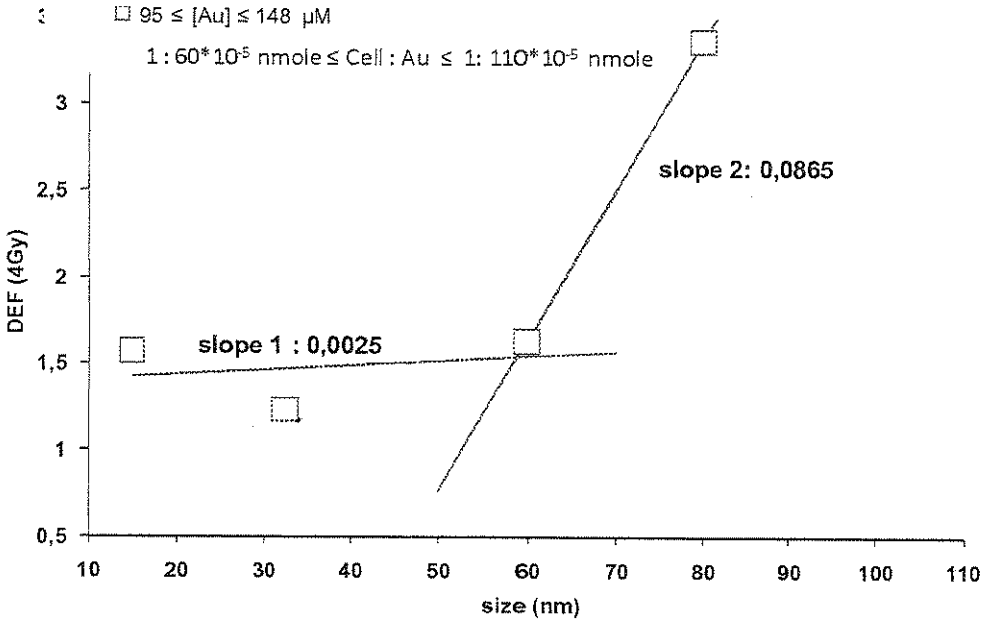


FIGURE 5B

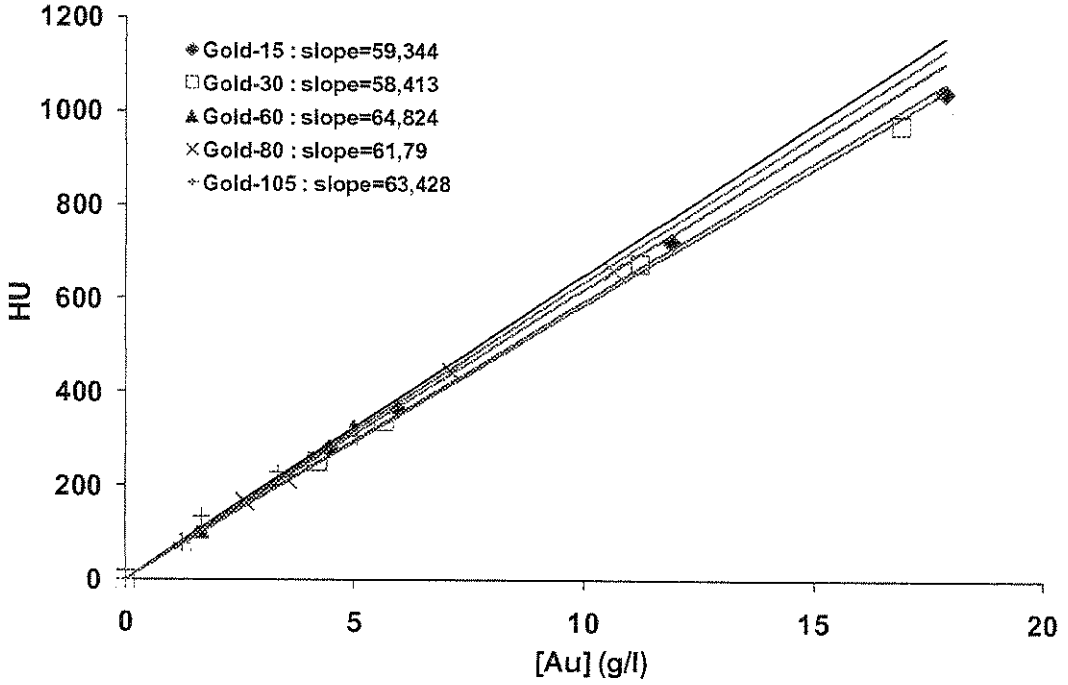


FIGURE 6A

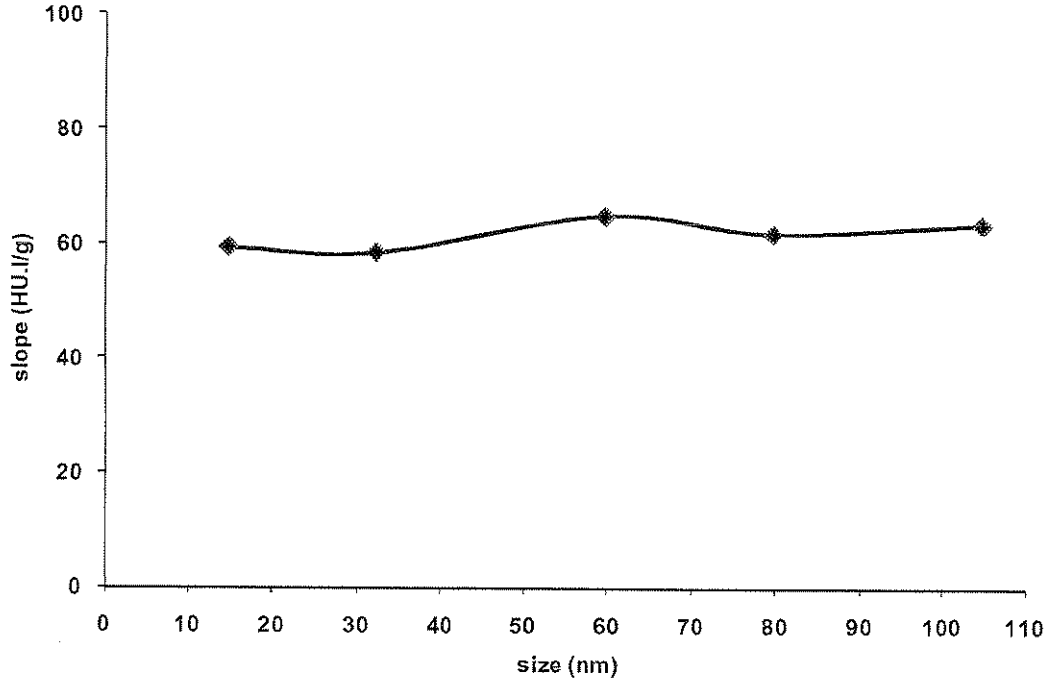


FIGURE 6B

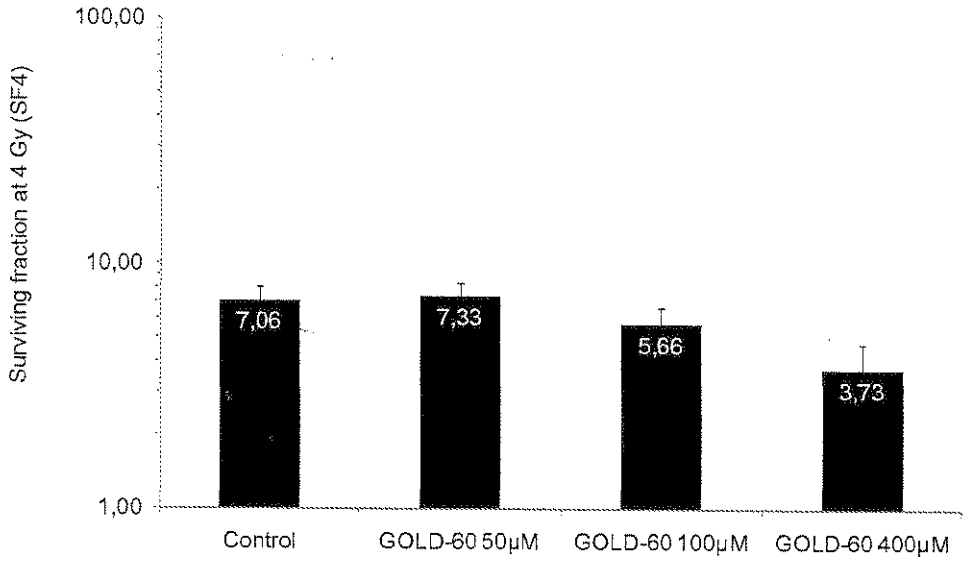

100,00
10,00
1,00
Surviving fraction at 4 Gy (SF4)
7,06
7,33
5,66
3,73
Control
GOLD-60 50µM
GOLD-60 100µM
GOLD-60 400µM

FIGURE 7A

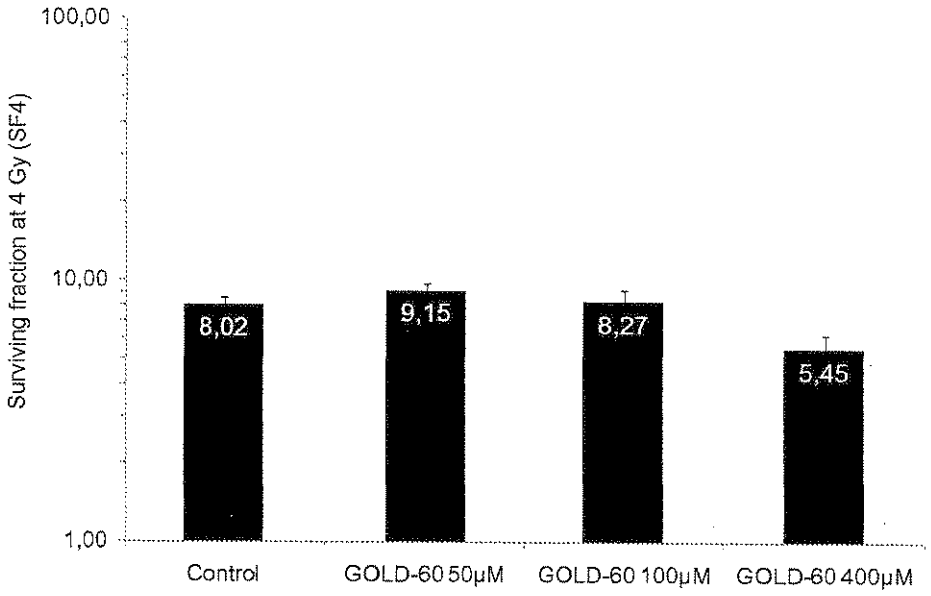

100,00
10,00
1,00
Surviving fraction at 4 Gy (SF4)
8,02
9,15
8,27
5,45
Control
GOLD-60 50µM
GOLD-60 100µM
GOLD-60 400µM

FIGURE 7B