

Continued from page:

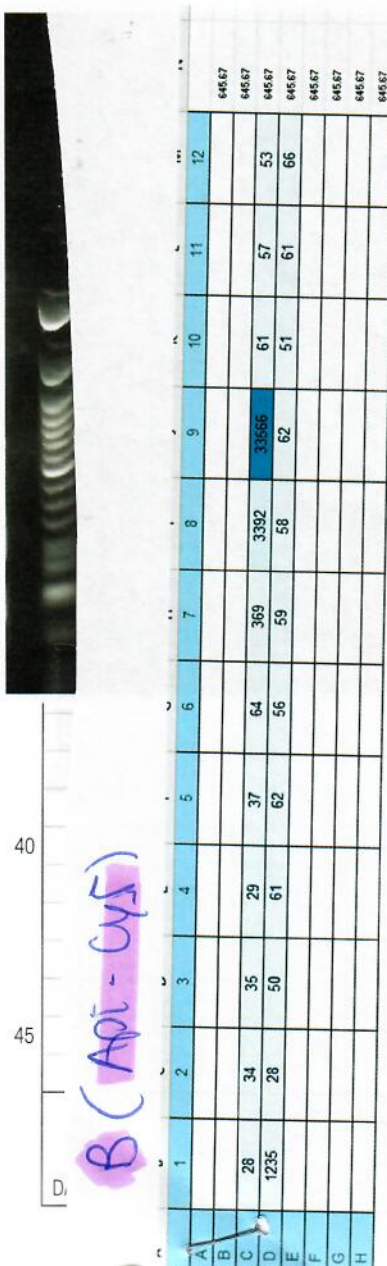
(B) PBS: 151.0 ± 2.8 nm (PDI: 0.10)
 (+) DMA: 273.4 ± 11.9 nm (PDI: 0.20)
 pH 7: -57.2 ± 0.7 mV
 pH 3: -14.3 ± 1.0 mV

(B) PBS: 121.9 ± 3.8 nm (PDI: 0.10)
 (-) DMA: 156.9 ± 18.2 nm (PDI: 0.10)
 pH 7: -33.0 ± 2.1 mV
 pH 3: -15.8 ± 1.7 mV

Quantification:

Gel Red (thiol-Apt)

B (Cys channel) (thiol-Apt)



m 33.534
q 32.676

Chart Title

$y = 33.534x + 32.676$
 $R^2 = 1$

LNO-talys 34

FLUO DIRECT
pmol apt per mg NPs
34.8399833
-1.15333691

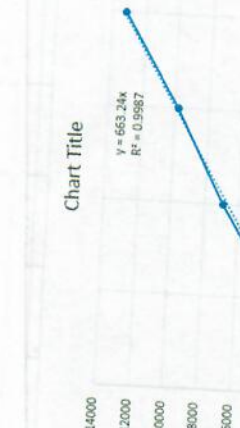
nmol apt per mg NPs
0.03483998
-0.00115334

nmol apt per 0.5 mg NPs (resusp in 0.5 mL)
0.01741999
-0.00057667

Conc (nM)
34.8399833
-1.15333691

Sub blank (NPs)
1201
-6

Sample +
Sample -



Conc (nM)	0	5	10	15	20	25	30	35	40
FLUO DIRECT	0	3482.5	7481	10382	13774	15555	17244	18836	21830

The 2 graphs are in agreement!
 BUT first time I had such a high density (2nd time)

I had 0.5 mg resusp in 0.5 mL (1mg/mL) so to find per mg: x2

pmol apt per mg NPs
43.5460075

pmol apt per 0.5 mg NPs
21.7730037

Blank sub
1157 1.7418403 0.00069674 0.65673612 21.7730037

Sample A 1703