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- SH-apt and Cys-SH-apt conjugation

(A) → no flow SH-apt (on 0.5 mg)

(B) → flow apt (on 0.5 mg)

• Alog 0.5 1 nmol (10 μ l) → + 40 μ l PBS 5 mg Cl_2 ,
5 min, 90°C (fold)

• Cod: 15 min, rt

• TCEP sol: 0.48 mg/ml in Tris HCl + put 50 μ l
with the 50 μ l apt + PBS. 100 μ l tot. incub 2h (rt)

0.5 mg NPs → resusp in 0.5 ml PBS → Apt reduced apt
on top (bovenophi, th)

washes: - Tween 20 0.01% (1x)

- Hybrid buff. (1x)

- PBS + 5 ml $NgCl_2$ (1x)

} final resusp
0.5 ml
(1 mg/ml)

ols resusp.

(A) No flow

PBS: 126.2 $\pm$ 5.5 nm (POL: 0.10)

DNA: 155.5 $\pm$ 4.0 nm (POL: 0.14)

pH 7: -28.1 $\pm$ 0.9 mV

pH 3: -5.4 $\pm$ 0.9 mV

(B) Cys

PBS: 132.8 $\pm$ 13.8 nm

DNA: 1062.6 $\pm$ 51.3 nm

pH 7: -31.6 $\pm$ 0.4 mV

pH 3: -4.3 $\pm$ 0.5 mV

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