

a) Experimental protocol

Total solution

- Tris HCl 10 mM
- Denhardt 1X
- Hybridization solution 0.5X
- Streptavidin functionalized SNP 0.29 mg/mL
- **Biotinylated** or **non-biotinylated** fluorescent DNA 4 µg/mL

Centrifugation
10 minutes at 10 krpm

3 times washing
in Tris HCl 10 mM

Supernatant
Free DNA

Pellet
SNP

b) Fluorescence spectroscopy intensity

