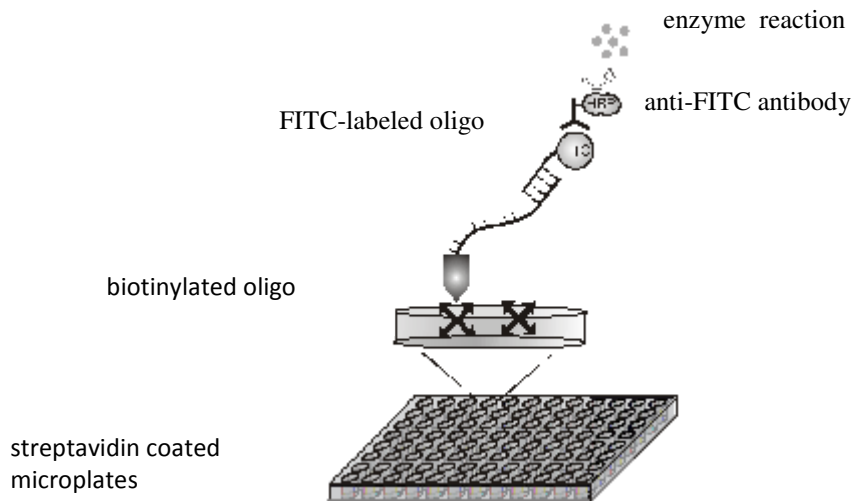


Streptavidin coated microplates using for DNA hybridization assays

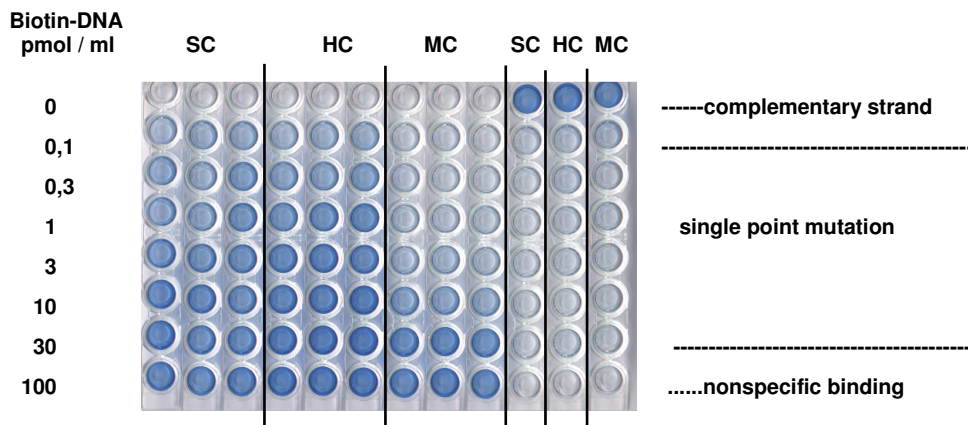
DNA-ELISA / colorimetric measurement

Principle of measurement

- binding of biotinylated oligonucleotides (or PCR-product)
- denaturation of DNA
- wash off non-bound oligonucleotides (or PCR-product)
- hybridization with FITC-labeled oligo
- detection with anti-FITC antibody coupled with horseradish peroxidase (HRP)
- colorimetric measurement with ELISA reader



Comparison of our 3 different kinds of streptavidin coated microplates:
standard capacity SC, high capacity HC and maximum capacity MC

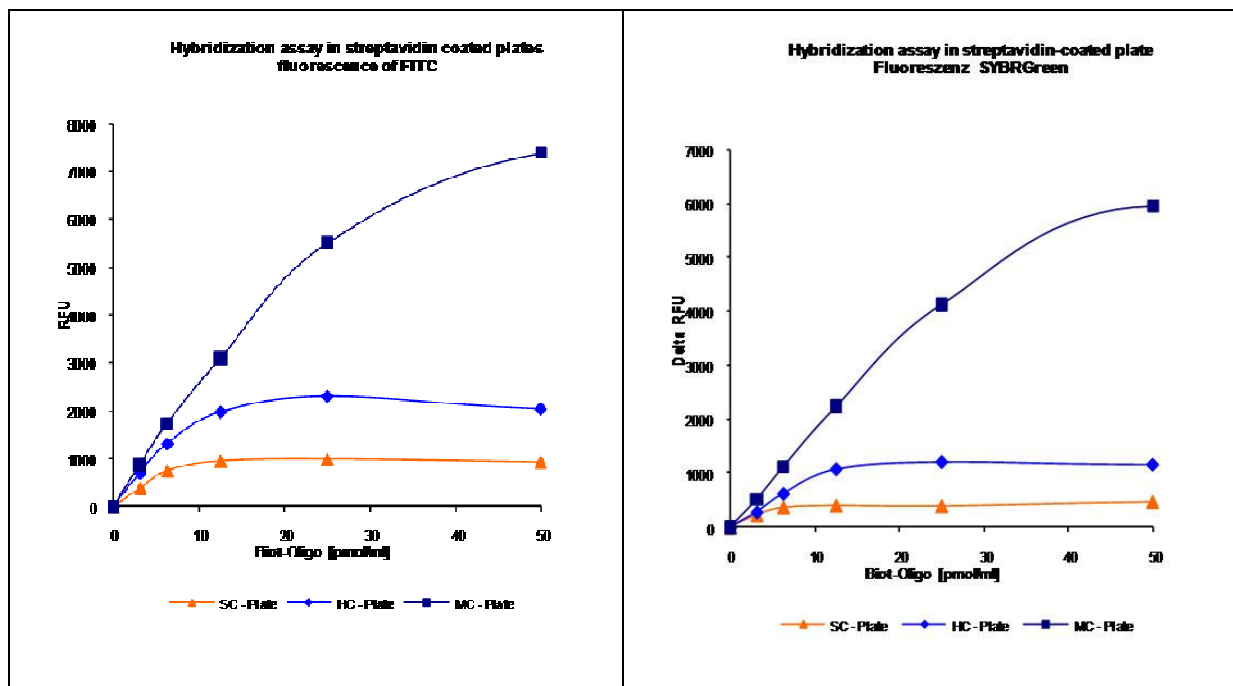


Sensitivity of streptavidin coated microplates

hybridization assays / fluorescence measurements

Principle of measurement

- binding of biotinylated oligo (89mer)
- wash off unbinding oligos
- hybridization with complementary FITC-labeled oligo (18mer)
- perform measurement of fluorescence: FITC or alternatively SyBrGreen



SC: standard capacity, HC: high capacity, MC: maximum capacity;

Thermo- and Chemostability of Streptavidin Coated Microplates

With our technology we are able to coat Streptavidin on polycarbonate and polypropylene microplates, not only on polystyrene.

