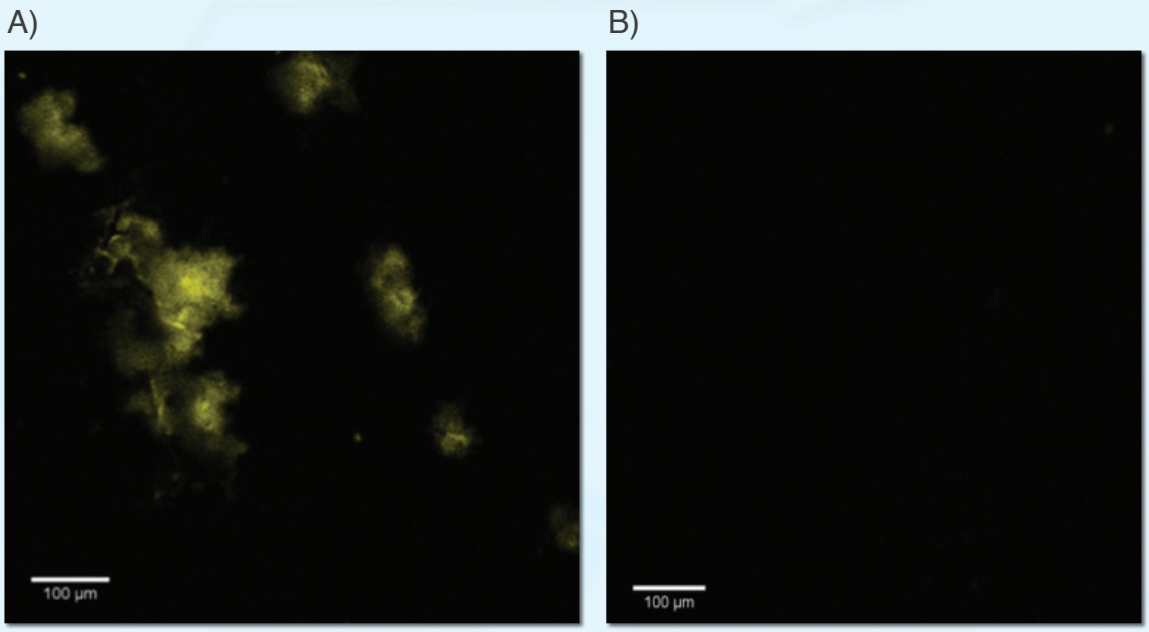
Core Shell Quantum Dots modified with Streptavidin Aqueous Solution

Refs. QDCORESHELL-575-STR-AQU

DropSens launches **CdSe/ZnS aqueous soluble Quantum Dots modified with Streptavidin** (QDCORESHELL-575-STR-AQU).

These fluorescent nanoparticles (λ emission maximum of ~ 575 nm), covalently functionalized with biotin-binding proteins, are an excellent option for the detection of a large amount of biotinylated molecules, in a wide range of experiments, such as electrochemical (bio)assays, optical (bio)assays, Western Blot protocols, flow cytometry, and more.



Confocal microscopy images. A) Detection of a biotinylated IgG antibody, immobilized onto a screen-printed carbon electrode with DRP-QD-STR (1:20). B) Background signal: in the absence of the biotinylated IgG antibody.

QDCORESHELL-575-STR-AQU are commercialized with a concentration of ~1 μM solutions and are available in units of 50 μL. They should be stored at 2 – 8 º C and protected from the light.

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