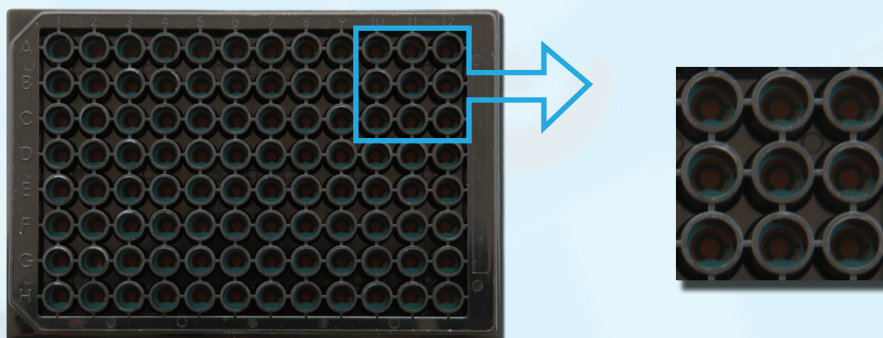


## 96X Streptavidin modified Gold Nanostructured Screen-Printed Carbon Electrode

Ref. 96X110GNP-STR



**DropSens** launches Electrochemical ELISA plates **nanostructured with Gold Nanoparticles (GNP) and modified with Streptavidin** from *Streptomyces avidinii*. This electrochemical array is fixed in the bottom of a standard microtiter ELISA plate with 96 wells.

Streptavidin modified nanostructured plates are a stable high affinity surface for **immobilizing a large amount of biotinylated molecules**, providing a versatile and high-throughput platform for the development of several (bio)sensors.

Electrochemical detection can be now easily coupled to ELISA assays by using standard instrumentation already available in any laboratory. Standard volumes around  $300\mu l$  can be used in the wells to carry out affinity interactions. In the detection step any electrochemical technique can be applied and any electrochemical parameter can be easily optimized.

The electrochemical cell consists of:

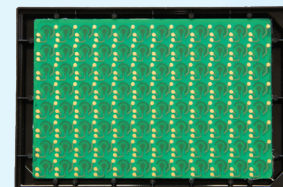
*Working electrode:* Streptavidin / Gold NanoParticle - Carbon (3 mm diameter)

*Auxiliary electrode:* Carbon

*Reference electrode:* Silver

*Plastic substrate:* L7.4 cm x W11 cm x H0.5 mm

*Electric contacts:* Gold



Gold plated contact paths are printed in the backside of the ref. 96X110STR. 96x3 contacts, corresponding to independent WE, AUX and RE, are printed in the bottom of each well.

The 96 well-plates are commercialised in 2 units packs.

Electrochemical ELISA plates are placed in resealable zip lock bags, and should be stored at  $2 - 8^{\circ} C$ , protected from light.

Also, a specific connector ref. CONNECTOR96X that acts as an interface between the screen-printed electrodes 96X format and any kind of (multi) potentiostat is available at **DropSens**.

### Related products



CONNECTOR96X



MAGNET96X



STAT8000



CABSTAT1

Full Catalogue



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