

LSPR Biosensor

High Capacity Amine

- + Designed for high-throughput interaction analysis in state-of-the-art microplate readers
- + High surface capacity for immobilizing a wide range of ligands from small molecules to proteins, nucleic acids and carbohydrates
- + Low non-specific binding and high sensor-to-sensor reproducibility

Product Description

Order code: 0104-01

Content: 4x High Capacity Amine LSPR Sensors

Storage: Kept at 2°C to 8°C in unopened pouch

Compatible instruments: Multimode readers from Tecan (Spark, Infinite 200 Pro), Thermo Scientific (Multiskan GO), BioTek (Synergy Neo2) and Molecular Devices (SpectraMax)

Well plate with 24 datapoints comprised of gold nanoparticle arrays that have a dextran matrix with a high degree of carboxylation covalently attached to it

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Preparation for Use

1. Wait 15-30 min until the sealed sensor pouch reaches room temperature
2. Tear open the sensor pouch and carefully remove the sensor plates and mount them on the dedicated holder

Ligand Immobilization

The following functional groups can be coupled to the carboxylated dextran matrix according to well established procedures: -NH₂, -SH, -CHO