

Biosensing kit: Real-time & label-free monitoring of biomolecular interactions

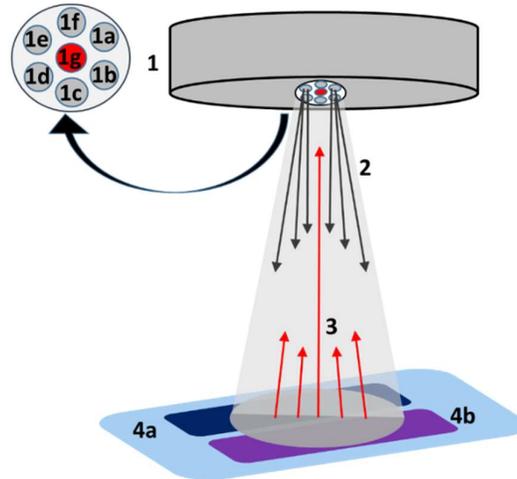
The Biosensing kit is fully compatible with FR-pRo and FR-pOrtable tools and is used for real-time and label-free monitoring of immunoreactions. The miniaturized (5X15mm footprint) biochips, after appropriate bio-functionalization meets the needs for measurement of critical for human health biomarkers, as well as for harmful substances in food.

Applications

- Label-free Biosensors
- Monitoring of kinetics of bioreactions
- Point-of-Need determinations

Features

- Ultra-miniaturized footprint
- Single analyte determinations
- Mutli-analyte determinations
- Fully compatible for operation with micropumps



The biosensing kit consists of a docking station especially designed to accommodate the biosensing chips and a number of appropriately fabricated Si chips and the related fluidic cells.

The biosensing kit was been extensively employed in the fast, accurate any with high dynamic range of a) a large variety of critical for human health biomarkers (T-PSA, f-PSA, CRP, d-Dimer, PCT, IL-6 etc.) and b) a large number of harmful substances in food; pesticides, mycotoxins and allergens.

