

OPENSPR™

PUBLISH FASTER WITH BINDING KINETICS & AFFINITY ON YOUR BENCHTOP



BENCH TOP

Avoid costly & inconvenient core facilities with our affordable benchtop solution



REAL-TIME DATA

Publish faster with label-free binding kinetics & affinity data



USER FRIENDLY

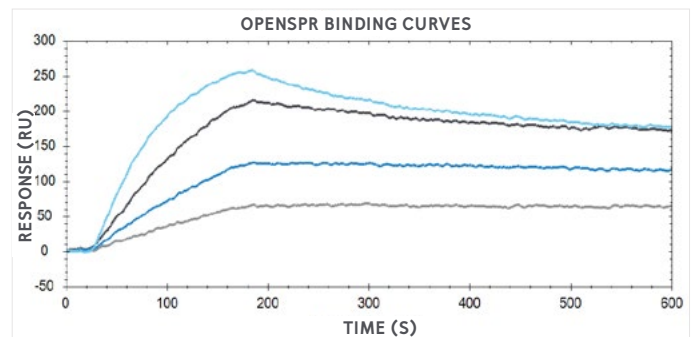
Train anyone in your lab to become an SPR expert with our user-friendly solution



LOW MAINTENANCE

Forget about expensive service contracts so you can focus on your research

FIND THE DATA THAT YOUR PUBLICATION IS MISSING



"The OpenSPR is being used everyday in our department and we love it because it's user-friendly, and we get the data we need from our own bench!"

*He (Grace) Gu
Johns Hopkins University*

SENSORS

SAVE TIME AND OPTIMIZE EASILY WITH A WIDE-RANGE OF AFFORDABLE SENSOR CHIPS:

- Plain Gold
- Carboxyl
- NTA
- Streptavidin
- Biotin
- GST
- Protein A
- Amine
- Thiol
- Liposome Binding (LIP)
- Hydrophobic (MEM)



Nicoya Lifesciences' OpenSPR™

TECHNICAL SPECS

PERFORMANCE

Association Rate (k_{on})	1e3–1e7 1/M*s
Dissociation Rate (k_{off})	0.1–1e-5 1/s
Affinity Range (K_D)	mM–pM

HARDWARE SPECS

# of Channels	2
Flow Rate	5–150 μ L/min
Injection	Semi-Automated
Injection Volume	5–100 μ L
Autosampler	Optional upgrade to OpenSPR-XT
Temperature Range	10°C–40°C (max 10°C<ambient)
Temperature Precision	+/- 0.25°C
Buffer Switching	3 ports available, automated switching
Instrument Size	48cm x 28cm x 23cm
Weight	42lbs
File Output	CSV, Tracedrawer

APPLICATIONS

- Kinetics/affinity characterization
- Competition assays
- Target identification
- Epitope mapping
- Screening
- Yes/No binding
- Concentration

COMPATIBLE WITH

- Proteins
- Lipids
- Carbohydrates
- Antibodies
- Nucleic acids
- Small molecules
- Cells
- Viruses
- Nanoparticles
- & more

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