

OpenSPR-XT™

Finally – Affordable & Automated Binding Kinetics on Your Own Bench

Benefits



BENCHTOP

Avoid costly & inconvenient core facilities with our affordable benchtop solution



REAL-TIME DATA

Publish faster with label-free binding kinetics & affinity data



AUTOMATED

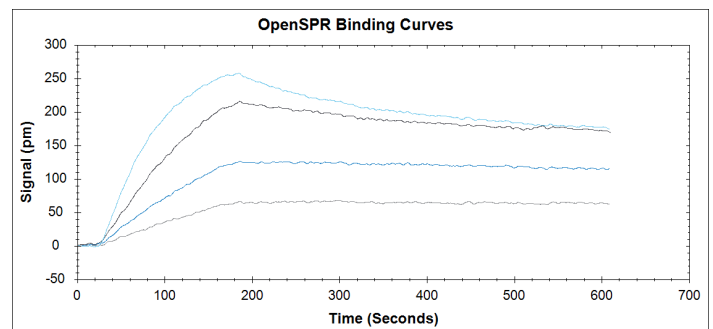
Maximize your productivity with our premade workflows & user-friendly software



RELIABLE

Get publication-quality data with the highest level of consistency & repeatability

Find the data you're missing.



Over 60 customers rated their experience with OpenSPR 4 out of 5 stars!

Sensors (\$15 – \$50 each)

Optimize easily with a wide-range of affordable sensor chips:

- Plain Gold
- COOH
- NTA
- Streptavidin
- Biotin
- Amine
- LIP (liposome binding)
- MEM (hydrophobic)
- GST
- Thiol



Nanogold Sensor Chip & Flow Cell



Nicoya's OpenSPR-XT™

Technical Specifications

Association Rate (k_a)	10^3 to 10^7 $M^{-1} s^{-1}$
Dissociation Rate (k_d)	10^{-2} to 10^{-5} s^{-1}
Affinity Range (K_D)	pM – mM
Molecular Detection Limit	1.0 pg/mm ²
Sample Capacity	96/384 plates, 2/10 vials
Sample Tray Cooling	4°C
Unattended Run Time	24 hours
Sample Volume	40µL–500µL
Temperature Control	upgradable to 4–40°C
Flow Rate	20–150 µL/min
Instrument Size	30 x 55 x 53 cm
File Output	CSV, TraceDrawer

Applications

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

Compatible With

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

Visit our [website](#) or [contact us](#) today to learn more.

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