



OpenSPR™

*Novartis, Pfizer, & Merck rely on SPR.
Don't Leave Your Students Behind.*

Benefits

FOR STUDENTS...



Gain hands-on experience with industry standard technique



Build your résumé and increase employability

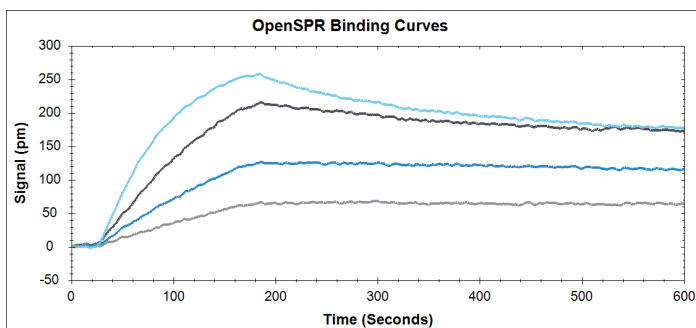
FOR INSTRUCTORS...



Very affordable with minimal maintenance costs



Predesigned labs to minimize your workload



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

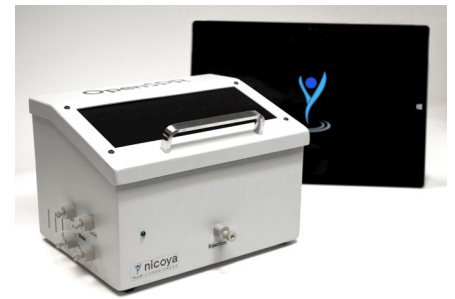
Sensors (\$15 – \$50 each)

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 Lifescience's OpenSPR™

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 Volume	20µL – 500µL
Temperature Control	upgradable to 4–40°C
Flow Rate	20–150 µL/min
Instrument Size	16 x 21 x 12 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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