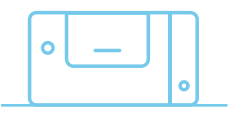


OPENSPR-XT™

PUBLISH FASTER WITH AUTOMATED BINDING KINETICS & AFFINITY ON YOUR BENCHTOP



BENCHTOP
Avoid costly & inconvenient core facilities with our affordable benchtop solution



REAL-TIME DATA
Publish faster with label-free binding kinetics & affinity data

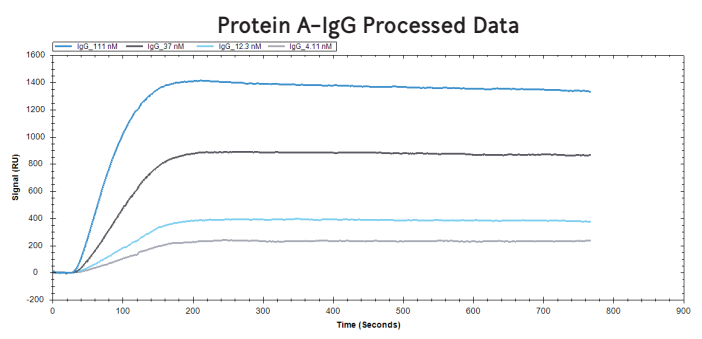
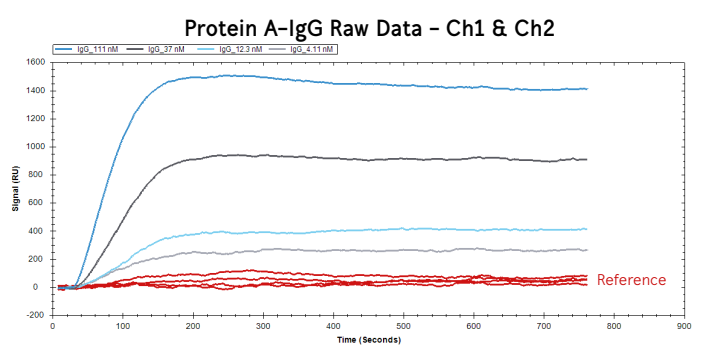
FIND THE DATA THAT YOUR PUBLICATION IS MISSING



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



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



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-XT™

TECHNICAL SPECS

PERFORMANCE

Association Rate (k_{on})	$1 \times 10^3 - 1 \times 10^7$ 1/M*s
Dissociation Rate (k_{off})	0.1– 1×10^{-5} 1/s
Affinity Range (K_D)	mM–pM

HARDWARE SPECS

# of Channels	2
Flow Rate	5–200 μ L/min
Injection	Automated
Injection Volume	5–100 μ L
Sample Capacity	96/384 plates, 2/10 vials
Sample Temperature	Cooled to 4°C
Unattended Run Time	24 hours
Temperature Range	10°C below or above ambient, +/- 1.0°C
Temperature Precision	+/- 0.25°C
Buffer Switching	3 ports available, automated switching
Instrument Size	78 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
- Lipids
- Carbohydrates
- Antibodies
- Nucleic acids
- Small molecules
- Cells
- Viruses
- Nanoparticles
- & more

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