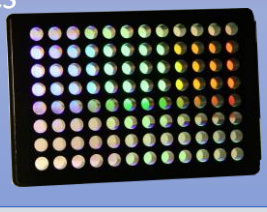
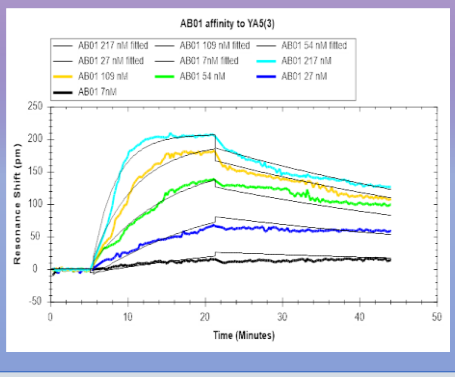
Label-free affinity and binding kinetics in a 96-well format.

- *Benchtop system with semi-automated fluidics*
- *Disposable 96-well microarray plate format.*
- *User friendly, and easy to operate.*
- *Real-time data analysis.*





Specifications Summary

Label-free technology	ResoSens Guided-mode Resonance (GMR) optical biosensor technology.
Biosensor plates	Proprietary single use 96-well plate.
Sample capacity	96 assays per plate.
Multiplexing	Can measure 4 points in each well (quadruplicate averaging for each well).
Min. sample volume per well	Less than 50 microliters.
Analysis temperature	Selectable control from +2°C above ambient to 40°C (+/- 0.5°C).
Shaking	User programmable. Standard and orbital shaking (low, medium and high speeds).
File output	.CSV and .TXT (compatible with TraceDrawer).
Analysis provided	Specificity, Selectivity, End-point, Kinetic and affinity analysis.
Number of buffers	2, auto switching with thermal control.
Regulatory	21 CFR Part 11 compliant version available.
Automation	Automated buffer dispensing. Compatible with 3rd party automation.

Performance specific

Detection range	Application dependent. Typical pM - mM.
Analysis run time per 96-well plate	Typical 15 min to 45 min. (depending on application and reagents used).
Data collection rate	10 Hz; ~30 seconds for full 96-well plate scan.

Hardware

Main system

Power Requirement	100-240 VAC, 50-60 Hz, 300 W.
Weight	57 lbs.
Dimensions	22.1" L x 14.2" W x 14.8" H.

External incubator

Power Requirement	120 VAC, 1 A.
Dimensions	13.1" L x 6.5" W x 16.4" H.
Weight	16 lbs.

ResoSens
Ultra-Mab Pro

Many applications:
Crude or purified samples to test and characterize peptides, antibodies (and variants), proteins, small molecules, cells, nanoparticles, and more.

Types of assays:

- Kinetics/affinity analysis
- Endpoint detection
- Competition assays
- Epitope mapping
- Specificity testing
- Selectivity testing
- Cell-based assays

For more information or to schedule a demo, visit us at www.resonantsensors.com or contact us via email: info@resonantsensors.com.