RANGE OF ATTANA APPLICATIONS

- Kinetic & Affinity Characterization
- Kinetic & Off-rate Screening
- Crude Samples Analysis
- Epitope Mapping
- Active Concentration Determination
- Thermodynamic Studies
- Ligand Fishing

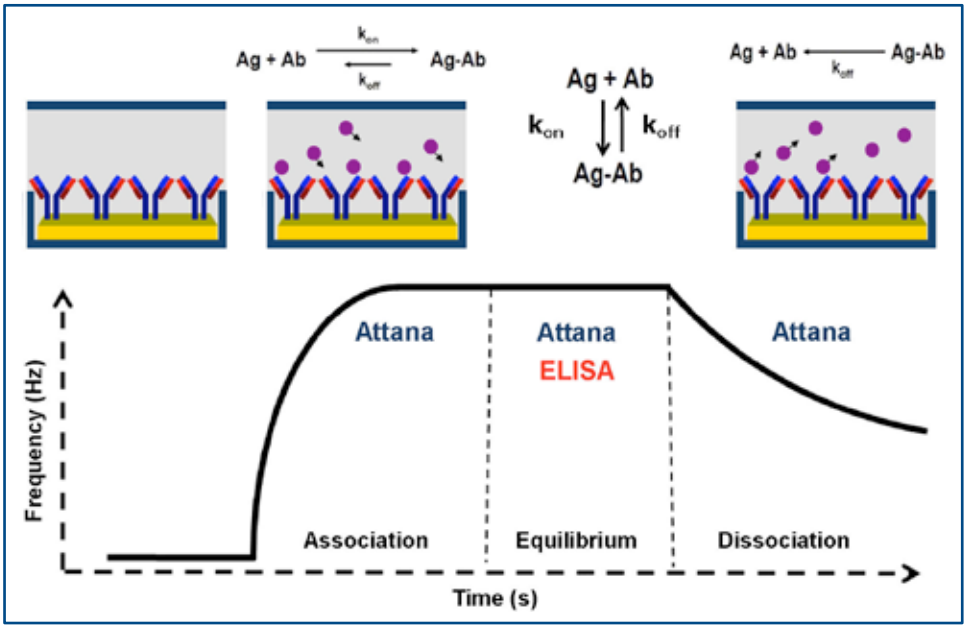
Balancing **Power** and **Simplicity** in Molecular Interaction Studies

ABOUT ATTANA® AB

Based in Stockholm, Sweden, Attana is a pioneer in the development of continuous-flow Quartz Crystal Microbalance (QCM) systems for real time, label-free molecular interaction studies. Our systems have since 2003 been employed at leading universities and biotech companies in a wide variety of research fields within the life sciences.

ATTANA QCM TECHNOLOGY

Quartz Crystal Microbalance (QCM) can be explained as a very sensitive scale or balance capable of measuring atomic changes in mass. By applying an AC-potential to a piezoelectric quartz crystal, it can be controlled to oscillate at its resonance frequency. When molecules are added to, or removed from the surface, the change in the resonance frequency can be converted to a mass response.



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sensor technologies

Power

POWER to your research. Our real time, label-free systems offer speed and versatility in providing high quality data. The result: in-depth analyses of molecular interactions in a wide variety of applications.

FEATURE	BENEFIT
QCM technology	Next generation tool for high quality and accurate kinetic data determination
Real time, label-free molecular interactions analysis	Understanding of the dynamic information between molecules to improve selection / characterization
Optimized sensor chip surfaces	Low non-specific binding enables analysis of complex samples from cell supernatant without purification
Rapid and accurate temperature control	High stability and improved data quality with high accuracy
Integrated degasser	Increase stability and allow extended assay runs
Robust fluidics	Improved data quality with high accuracy allowing for crude sample analysis
Versatility	Ease of use, simplified assay setup, rapid start-up, pre-programmed templates and automated sample injections allow diverse applications while maximizing productivity and allowing unattended sample analysis
Dedicated support	Maximize the efficiency of your system capabilities and generate confident data
Cost-efficiency	Accessible solution for in-depth analyses of molecular interactions

Simplicity

SIMPLICITY in your research. Our systems are developed with the end-user in mind: plug-and-play operation, rapid start-up, intuitive assay set-up and pre-programmed methods and templates are just a few of the system features. The result: save time and maximize productivity in your research.

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