

Attana's biosensors

Attana has several Quartz Crystal Microbalance (QCM) based instruments and applications, all catering to crucial needs and developed in close collaboration with industry and universities. Examples include kinetic analysis on cell surfaces, candidate selection screening, aggregation characterization, epitope mapping and concentration determination of biopharmaceuticals.



Attana Cell 200

Cell & biochemical assays- dual channel

Core applications

- Kinetics on cell surface
- Lectin-Carbohydrate
- Antibody-Receptor
- Competition assay
- Epitope mapping



Attana 200

Biochemical assays- dual channel

Core applications

- Off-rate selection
- Crude/Sensitive samples
- Clone selection/optimization
- Immunization monitoring
- Aggregation characterization



Attana 100

Biochemical assays- single channel

Core applications

- Detailed kinetics
- Concentration determination
- Pure/sensitive samples



attana
sensor technologies



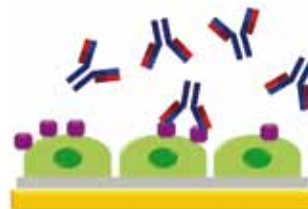
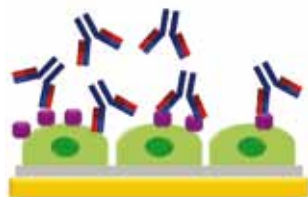
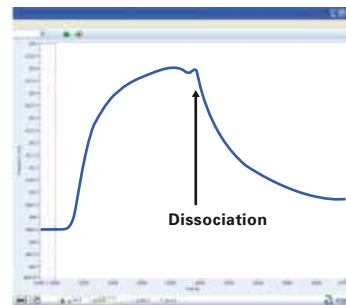
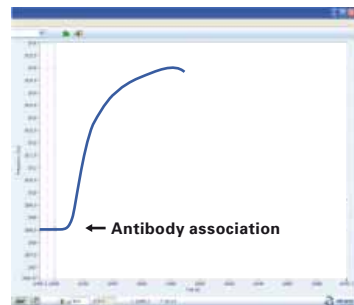
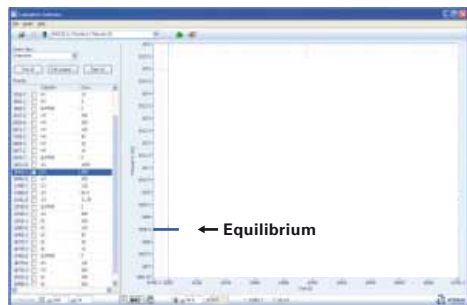
About Us

Founded in 2002, based in Stockholm, Sweden, **Attana AB** develops biosensors for the pharmaceutical, diagnostic and academic society worldwide. With a strong focus on characterizing molecular interactions exactly as they occur in the human body, Attana is committed to increasing the success of clinical trials by providing the life science community with biologically relevant information.

Attana's QCM technology

Attana's QCM technology offers an innovative platform to study molecular interactions thanks to its independence of proximity and optical parameters, low non-specific binding surfaces and optimized fluidics.

The Quartz Crystal Microbalance (QCM) technology is a sensitive balance capable of measuring changes in mass on a molecular level. An applied AC-potential causes the quartz crystal to vibrate at resonance frequency. As molecules flow over the crystal bind to the surface, the vibration frequency changes. The difference in frequency is used to characterize real time, label-free molecular interaction.



Attana Applications:

- Kinetic and affinity evaluation of biomolecular interactions at the surface of cells such as lectin-carbohydrates and antibody-receptor
- Epitope mapping
- Detection
- Competition assay
- Cell capturing
- Crude sample analysis
- Kinetic & Affinity characterization
- Kinetic & Off-rate screening
- Active concentration determination
- Thermodynamic studies
- Ligand fishing
- Aggregation characterization

Attaché 2.1 – Attana software suite

The Attana software suite links all aspects of our systems, from instrument control to data collection and analysis:

- **Attester Software** - controls the biosensor while running experiments and presents experimental data in real time
- **C-Fast Software** - provides automation through control of both the biosensor and the C-fast robot
- **Evaluation Software** - enables evaluation and export of collected data and provides automatic referencing

Join our demo sessions and discover our software live!

JOIN AT:
support@attana.com

