

Four Channel Surface Plasmon Resonance Instrument



Maximum efficiency, flexibility and performance

The advanced 4-channel SPR system provides triple the throughput and same reliable accuracy and flexibility as our 2-channel instrument, to accelerate drug discovery for the broadest application spectrum imaginable. Designed for simplified determination of real-time interaction and kinetic studies, the Reichert4SPR system pushes the limits of detection and sensitivity, and does so without requiring major upkeep. You'll spend more time on your research and less on system maintenance—a common limitation among competing SPR instruments.

The Reichert4SPR 4-Channel Surface Plasmon Resonance system allows you to accelerate and enhance the drug discovery process in the following ways:

Easy set-up and streamlined workflow

Utmost sensitivity and maximum uptime

Robust fluid handling system to run demanding assays

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Reliable support from expert application scientists

Our fluidics system is not only ideal for purified samples such as proteins, DNA, and low molecular weight compounds, but can accommodate crude samples such as serum, aggregates and cell lysates—all without interruptions due to clogs or breakdowns. It even analyzes particulates including nanoparticles and whole cells.

Reichert4SPR's market-leading baseline stability and high sensitivity (± 0.05 μ RIU rms noise) make it the perfect biosensor technology for analysis of small molecules or very low concentrations of larger biomolecules. High sensitivity reduces the required amount of sample and produces reliable results, even if a large portion of a protein population is inactive or denatured.

Accessible to all users, labs

A system fit for drug discovery innovation must accommodate a variety of scientists and lab applications. With Reichert4SPR, you can quickly scale features and efficiencies on the 4-channel system to satisfy your most specific research requirements, with the solutions growing as your needs do.

With the latest advancements in optics, image sensing and software, the speed and quality of data in the drug discovery process is vastly improved, for increased study design flexibility.

As SPR technology evolves to fill every niche in the drug discovery and development process, we've paid close attention to some of the pain points for researchers, namely the need for ease-of-use through all phases of drug discovery. The Reichert4SPR is far easier to maintain than other SPR instruments, with maximum uptime to drive better results.

Unparalleled service and value

The success of the Reichert4SPR 4-channel system is the result of 15 years of developing flexible, affordable and extremely sensitive SPR systems. But this is just the beginning of the Reichert SPR experience.

Our support team consists of expert application scientists that are with you every step of the way to ensure your success. Troubleshooting an experiment or under a time constraint for a demanding application? We will respond swiftly with comprehensive, on-demand services such as:

In-depth, on-site training

Preventative maintenance

Feasibility studies

Method development and consulting

And, thanks to an easy-to-access fluidics system, the total cost of ownership is 30% lower than that of the leading competition.

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Reichert Technologies, www.reichertspr.com

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