

## Press Release

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# Small Molecule Kinetics Characterization FortéBio Octet RED System: Expanding your Label-Free Capabilities

With the launch of the Octet® RED System for label-free, real-time kinetic analysis of drug compounds, FortéBio introduced a second system for the analysis of molecular interaction.

The new system brings unparalleled ease-of-use, sensitivity, throughput and affordability to the analysis of small molecules, peptides and proteins for research, development and bioprocessing. Octet RED is based on FortéBio's proprietary BioLayer Interferometry (BLI) technology, in which optical biosensors measure multiple interactions in parallel, without the use of chemical labeling. The Octet RED System's high sensitivity and rapid data acquisition capabilities enable analysis of low molecular weight molecules that interact extremely quickly, which is critical for comprehensive kinetic characterization of drug candidates.



In addition to small molecule characterization, the Octet RED systems allows also for full analysis of protein and peptide interaction as it is possible with FortéBio's first system, the Octet QK.

The degree to which a drug compound binds to a therapeutic target helps predict a drug candidate's potency and effectiveness, and is a significant component of drug discovery and lead optimization. A label-free method of analysis is increasingly preferred because it avoids label interference with the binding activities of the therapeutic target. The faster and more affordable way which the Octet RED systems displays, allows accelerated validation of drug screening as well as accelerated development of biologicals.

In order to arrange for a system demonstration at your lab, simply give us a call. We would be pleased to demonstrate the extended detection capabilities for small molecules at your lab and running your samples.