



The ForteBio Octet Red384 instrument provides label-free biophysical characterization of protein:protein, protein:nucleic acid and small molecule interactions. Kinetic and quantitative analysis can be performed using the Octet's easy-to-use format and software. The system can also be used for kinetics, cross-competition assays, epitope binning, ELISA-like applications, screening, and much more. The instrument is routinely used for antibodies, fusion proteins, structural biology, aptamers, oligos, peptides, *in silico* design verification, and more.

Key Features

- Easy and robust to operate – limited instruction required
- Kinetic determination of K_D , k_a , and k_d
- 16-channel parallel sampling for rapid processing and assay development
- 96 and 384-well format options

- Non-destructive. Samples can be recovered for alternate analysis
- Wide range of pre-functionalized surfaces
- Option to re-use biosensors for lowered cost of usage.
- Software available for offline analysis for OHSU students/staff

Graphics for website:

- **A layer of molecules attached to the tip of an optic fiber creates an interference pattern at the detector.**
- **Any change in the number of molecules bound causes a measured shift in the pattern**



