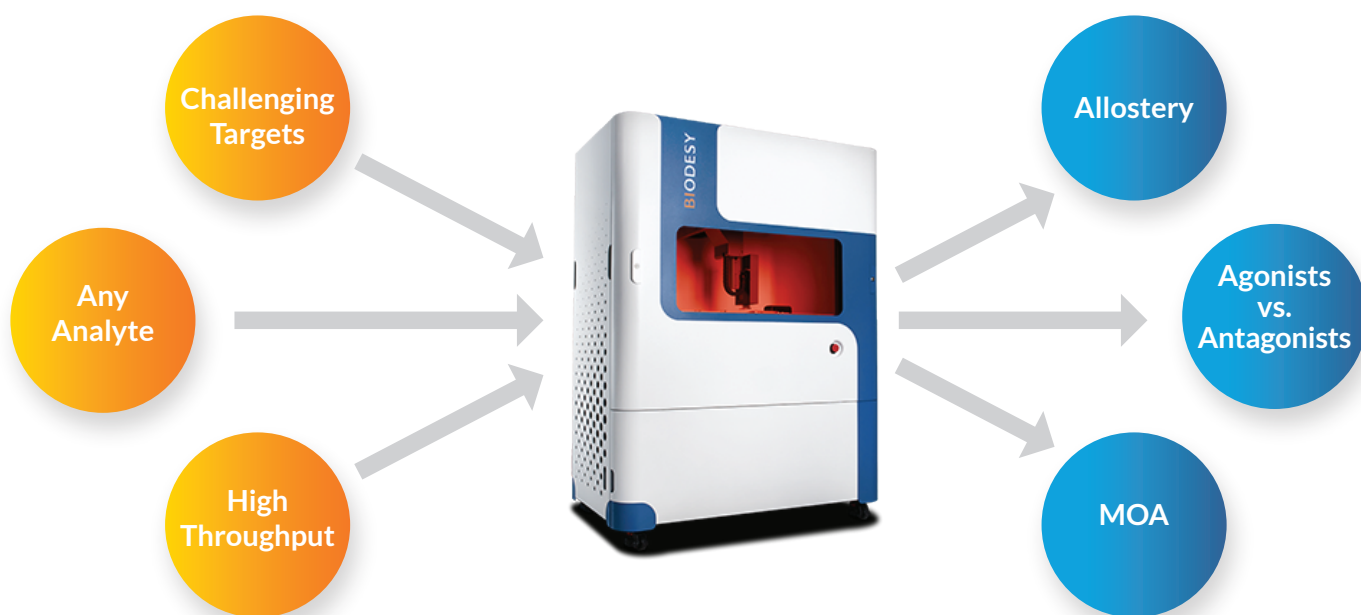


Conformation changes everything

Many potent and selective drugs induce or stabilize distinct target conformations that improve human health. Novel, innovative and higher throughput technologies that reveal this valuable structural information are needed to enable better decisions earlier in the drug discovery process, accelerating discovery-to-market timelines.



The Biodesy[®] Delta

The Biodesy Delta measures protein conformational change at high throughput, enabling a more immediate understanding of the functional consequences of ligand binding. Thousands of conformational signatures can be defined per day, in real time and in solution, even for the most difficult targets.

1000's of conformational changes per day

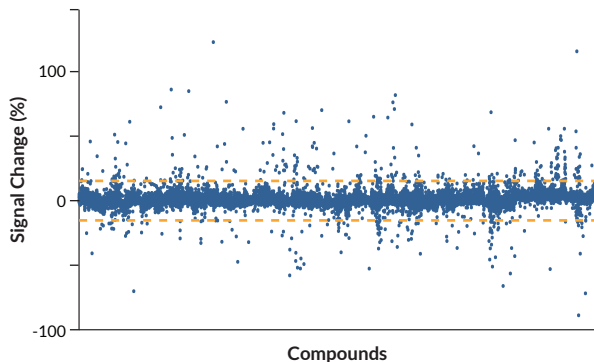
The Biodesy Delta's simple and high-throughput assays provide conformational information on thousands of samples per day using less than 10 picomoles per test, accelerating the identification and classification of valuable hits.

Conformational signatures on a wide array of interactions

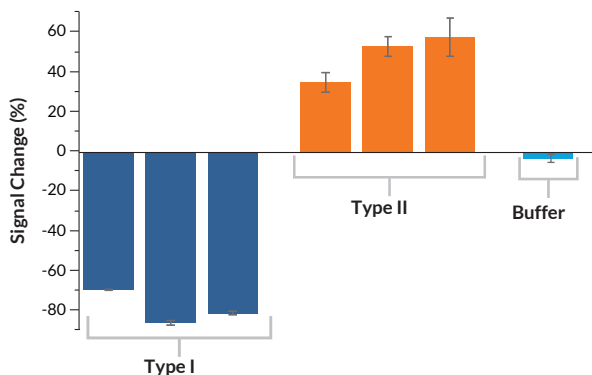
Conformational change assays are amenable to most targets regardless of size, including protein complexes, membrane-associated proteins and nucleic acids. Screen for any analyte, from fragments to compounds, proteins to pH changes.

Conformation and binding

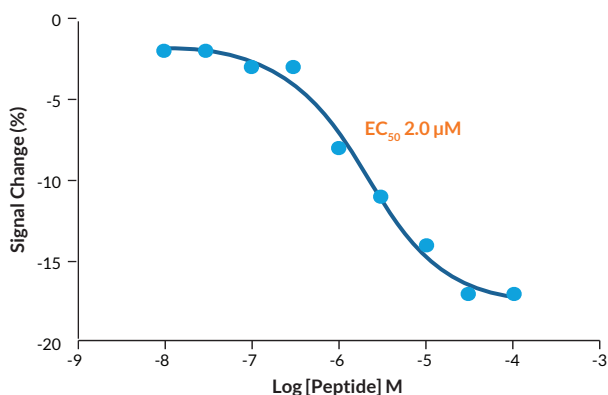
The Biodesy Delta provides multi-dimensional data related to binding-induced target conformational change. Cluster on-target hits by their mechanisms of action and by the functions they induce.



Compounds can be screened and binned by direction and magnitude of conformational change (Signal Change (%)).



The Biodesy Delta distinguishes type I and type II kinase inhibitors.



Concentration-response experiments enable measurement of the EC₅₀ for a given conformational change.



Biodesy, Inc.

170 Harbor Way #100
South San Francisco, CA 94080

info@biodesy.com
650.871.8716

www.biodesy.com

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