

IAC 2017: *State of the Art Facility*

Proteomics Facility

Isothermal Titration Calorimetry (ITC)



Isothermal Titration Calorimetry (ITC) is a popular technique for measuring bimolecular interactions. ITC determines all binding parameters (n , K , ΔH and ΔS) in a single experiment – information, simultaneously that is not possible with any other method. We have Microcal iTC200 for various applications which includes

- Characterization of molecular interactions of small molecules, proteins, antibodies, nucleic acids, lipids and other biomolecules.
- Lead optimization.
- Enzyme kinetics.
- Assessment of the effect of molecular structure changes on binding mechanisms.