

TA Instruments - a division of Waters Corporation

More than just ITC and DSC...



Waters
THE SCIENCE OF WHAT'S POSSIBLE.™



Instruments for Physical Properties Characterisation of Materials

- **Thermal Analysis**

- DSC
- TGA
- DVS
- DMA
- TMA/Dilatometry
- Thermal Conductivity

- **Rheology**

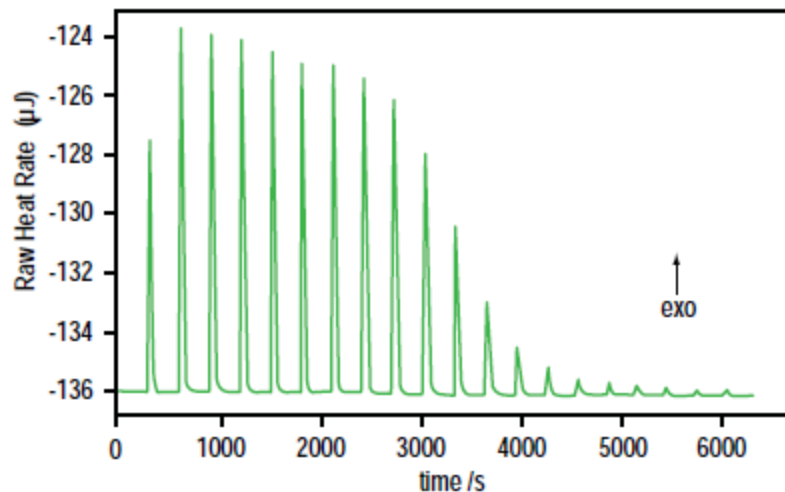
- Single Head Design (Stress Controlled)
- Dual Head Design (Strain Controlled)

- **Microcalorimetry**

- DSC
- ITC
- TAM

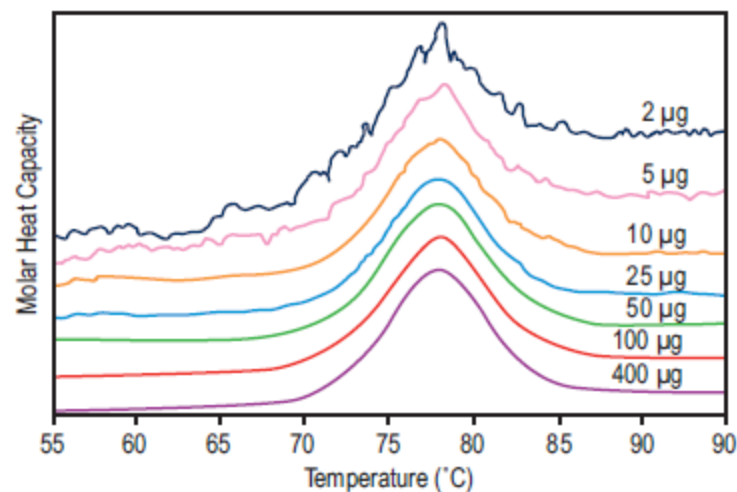
Key tools for Biopolymer characterisation

ITC (Isothermal Titration Calorimetry)



- Binding affinities typically 10^3 - 10^9 M⁻¹
- Stoichiometry
- Thermodynamics
- Label free samples
- Available in 1ml and 190µl cells

DSC (Differential Scanning Calorimetry)



- Thermal Stability
- Heat capacity
- Pressure Perturbation capability as standard
- 0.30ml capillary cells
- Auto sampler with 96 well plate format