

Isothermal Microcalorimetry, a versatile tool in the clinical environment

Dr. Christian Ortmann
Waters GmbH – UB TA Instruments
Applikation Mikrokolorimetrie
cortmann@tainstruments.com

There are dozens of clinical relevant applications of isothermal Microcalorimetry. TAM IV of TA Instruments has proven to provide extraordinary opportunities and sensitivity to serve important research aspects in the clinical environment. We present a short overview of metabolic heat dissipation derived by microorganisms, either growing in body fluids, within biofilms growing on implants or at toxicological approaches during drug testing. It is furthermore a valuable tool to investigate stability and compatibility of drug excipients as well as on antimicrobial coatings.