

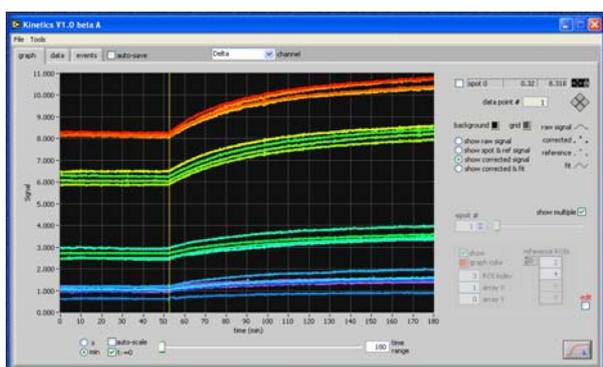
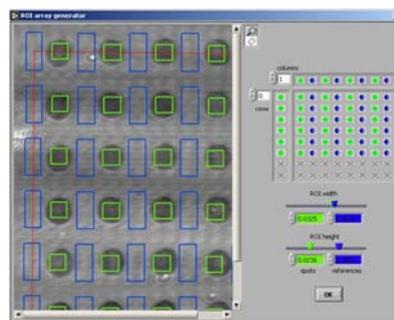
EP³View Kinetics Software 1.0

EP³View Kinetics Software 1.0 provides the tools for the **complete recording, visualization and evaluation of time-resolved multi-channel ellipsometric measurements**, e.g. for protein interaction kinetics on microarrays. As an AddOn to the Nanofilm EP³View, Kinetics Software 1.0 imports all relevant data during measurements and allows extensive online and post-run analysis.

The Kinetics AddOn 1.0 consists of the following three basic blocks:

Array generator

- software wizards for easy 'region of interest' pattern generation on symmetric rectangular microarrays
- definition of spot and reference regions
- comfortable sizing and positioning of measurement region, including rotation

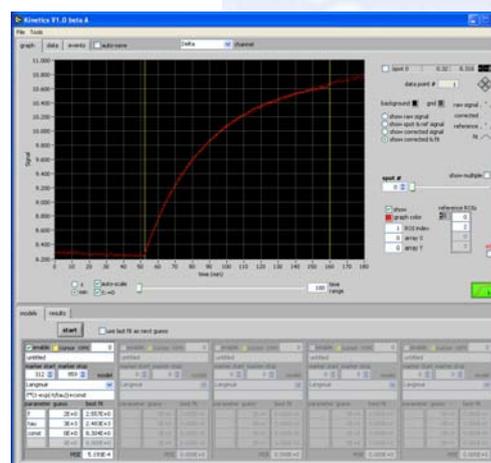


Kinetics Monitor

- multi-channel measurements
- online monitoring of kinetics data
- single spot / multiple spot diagrams
- raw signal / background-corrected signal diagrams
- user-specified reference signal channels
- entry of measurement events, e.g. 'injection', 'pump on/off', etc.

Evaluation

- easy calculation of kinetics constants
- arbitrary user-specified kinetic functions
- multiple channel analysis
- analysis of multiple runs – e.g. for different analyte concentrations – for calculation of kinetics parameters k_D , k_{ON} , k_{OFF}
- numerically integration of differential equations for complex interactions
- simulation tools



Features

- direct transfer of collected data
- easy-made background correction
- convenient ROI array generation

Benefits

- complex kinetics analysis
- clearly arranged 'GUI'
- easy to use

The EP³-Kinetics AddOn requires the EP³View V2-software!