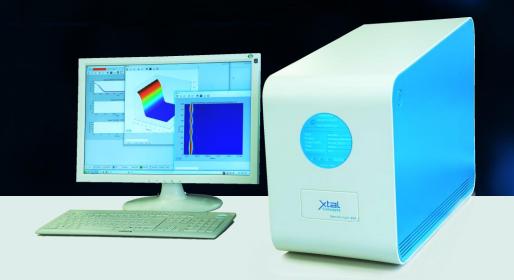


## SpectroLight 600 an in situ DLS/Imaging-System



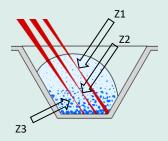
The field of application of this highly advanced system is not limited to simply visual inspection of droplets to find crystals. Instead it plays a central role in the daily work due to its unmatched versatileness in applications.

Aggregation Analysis – Crystal Imaging – UV – Stability Analysis – Temperature Stability – Automated Mode – Manual Mode – Unmatched Versatileness

### Key features of SpectroLight 600



**Utilisation of Standard Plates** 



Measurement at different positions Z1,Z2,Z3



Bright light and UV Imaging

#### Standard sample containers

(like SBS plates, capillaries or smaller plates) no cuvettes, no special consumables, no cleaning

### Minimal sample volume - 50 nl

Use an aliquot of your sample for quality check. Arbitrary choice of the sample volume down to 50 nl.

### 3D positioning within the sample

Measure in different heights or xy to access inhomogeneous samples

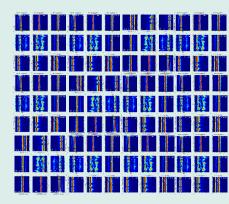
# Automated condition screening (pH, detergents, buffer)

More insights in well-being of your sample with only 9.6 µl for a full plate with 96 conditions. Plates can be repeatedly used to continue measurements even over serveral weeks.

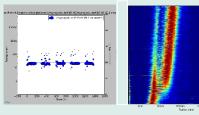
### Fast bright light and UV-Imaging

Fully fledged fast imaging system with various illumination capabilities

### It's simply fun to measure!



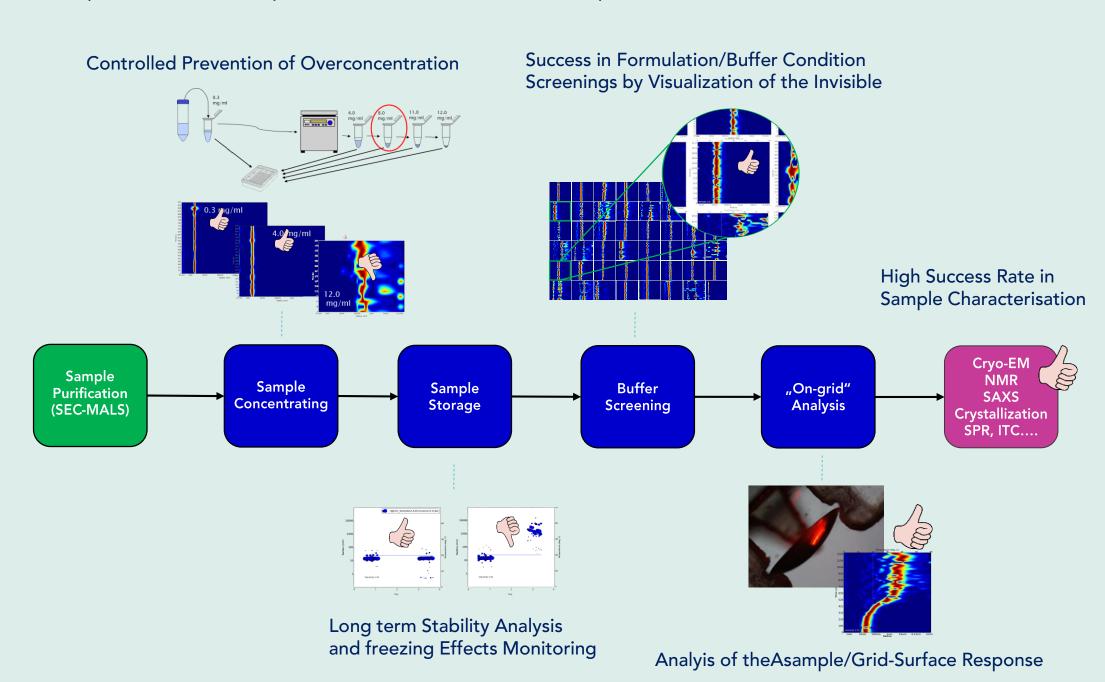
Screening of 96 conditions



160 h of interval and continuously Series of *in situ* DLS measurements

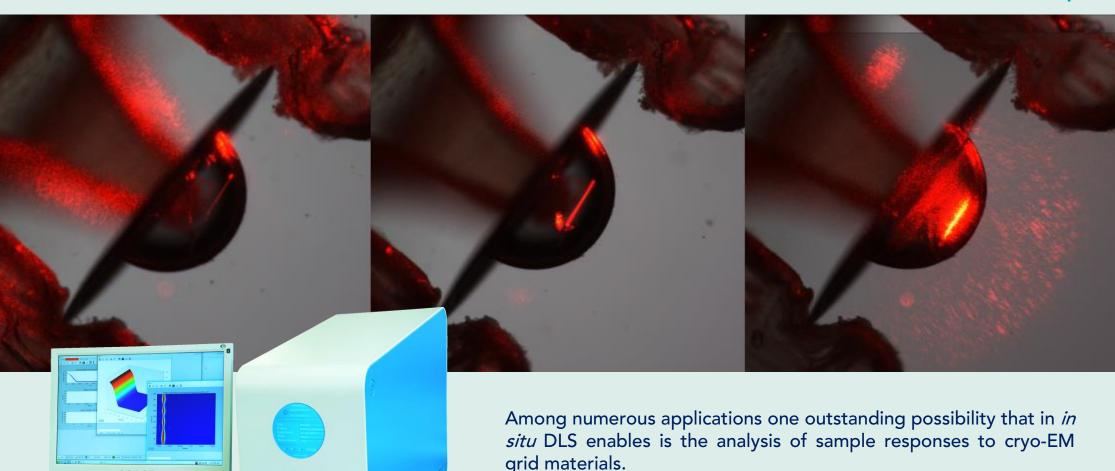
## In situ DLS enables comprehensive Sample Analysis

A Sample Preparation pipleline downstream from Purification Crucial steps down stream from purification can be monitored and sample integritiy is almost guaranted



# SpectroLight 600 On grid sample analysis





The majority of proteins show sooner or later a reaction when it get in contact with the grid surface. How fast this reaction occurred deptends on the protein, buffer and grid material itself. Influences of a sample carrier is in any case an unwanted effect.