ALP

Analysis of Liquid Properties

Fully automated, high throughput analysis of liquid properties for your liquid handler

- Label-free measurement and screening tool, e.g. viscosity, for your liquid handler
- Up to 96 results in a few minutes
- Compatible with microplates

HAMILTON

Discover the possibilities

Liquid properties are basic parameters that influence the behavior of the liquid and are influenced by components of the liquid. So far, analysis of these parameters, such as viscosity, has been slow and tedious work, requiring high volumes of samples and not enabling high throughput.

ALP is the first tool that allows high throughput screening of these properties, enabling new applications such as early stage viscosity screening of therapeutic antibody candidates, mass screening of microbes for growth or expression or highly parallel measurement of enzymatic kinetics.

Fully automated workflow for liquid property screening and measuring

- Based on pressure monitoring during aspiration and dispense
- Software supported measurement model development for best results
- Library function to be implemented into customized methods

Highest parallelization and throughput

- Up to 96 measurements in parallel using individual channels or 96 head
- Results within a few minutes
- Sample input capacity only limited by robotic deck

Available for many different applications

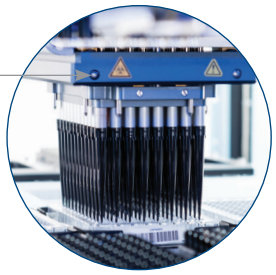
- Viscosity of antibody formulations
- Enzymatic kinetics polymerizing or depolymerizing
- Screening of microbial strains
- Monitoring of bacterial growth (OD)

System Specification

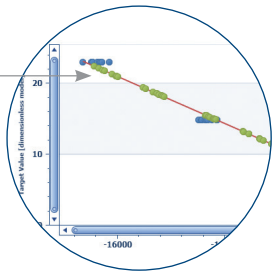
Compatible with STAR line instruments with VENUS two software and newer versions
Requires TADM compatible pipetting channels or 96 heads

Pipet known standards to determine pressure curves

Use pressure curves from standards to choose optimal evaluation model



Pipet unknown samples to determine pressure curves



Determine values based on the pressure curve and the chosen evaluation model

HAMILTON®

Web:www.hamiltoncompany.com
Email:infoservice@hamiltonrobotics.com

United States
Tel: +1-775-858-3000
United Kingdom & Ireland
Tel: +44 (0) 121 272 92 80
Spain, Portugal
Tel: +34 930 186 262
China
Tel: +86 21 6164 6567
France
Tel: +33 184 008 420
Italy
Tel: +39 (039) 930 06 06
Denmark, Norway, Sweden, Finland
Tel: +46 8403 09 090
Germany, Switzerland, Austria, Benelux
Tel: +49 89 248 804 804

To find a representative in your area, please visit hamiltoncompany.com/contacts.