

DKSH Solutions for BioScience

Protein Stability

Viscotek & OmniSEC



分子構形, 分子大小, 分子量, 黏度, 蛋白質聚集分析
GPC/ SEC, Static Light Scattering

Zetasizer Nano



粒徑大小, Zeta 電位, Protein mobility, 微流變
Dynamic Light Scattering, Electrophoretic Light Scattering, Static Light Scattering

MicroCal PEAQ-DSC



Enthalpy (ΔH), temperature (T_m)
Heat capacity change (ΔC_p)
Differential Scanning Calorimetry
Label-free analysis

Viscosizer



高黏度&高濃度粒徑分析法
粒徑大小, 配方黏度
Taylor Dispersion Analysis using UV Area Imaging & Poiseuille's law for Relative viscosity

NanoSight



奈米粒子計數(#顆粒數/mL), 粒徑大小, 蛋白質聚集分析
Nanoparticle Tracking Analysis

mVROC & uVISC



高精度黏度儀
微量體積需求<100uL
Accurate formulation viscosity values of proteins can detect protein unfolding or denaturation

General Lab Equip



義大利 VELP 磁石攪拌系列

Magnetic Stirrers

Sample volumes 250ml to 25L
6 or 15 positions

Auto reverse stirrer

rpm constant as viscosity changes

General Lab Equip



義大利 VELP 磁石加熱攪拌系列

Hot Plate Stirrer

Temperature control up to 370°C
Ceramic or Aluminum surface
IP 42 protect

rpm constant as viscosity changes

General Lab Equip



義大利 VELP 紅外線震盪器

Vortex Mixers

up to 3000 rpm
Vibration starts when tube is detected by IR (VELP patent)
Eliminates repetitive strain injury

Detection of Aggregates

DLS 奈米粒徑分析儀

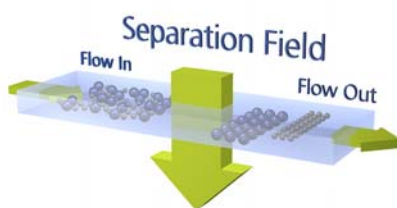


奈米粒徑分析儀

Malvern

Zetasizer Nano, APS, μ V,
Nanosight, Archimedes

AFFF 不對稱場流分離系統



AF2000 不對稱場流分離系統

Postnova

Dynamic & Static Light
Scattering, , MALS, ICP-Mass

SEM 桌上型電子顯微鏡



EM30AX-PLUS 桌上型 SEM

Coxem

Tabletop-SEM, Ion Coater, EDS,
BSE, CCD, STEM, Cool Stage

Interaction

ITC 等溫低定微卡量熱儀

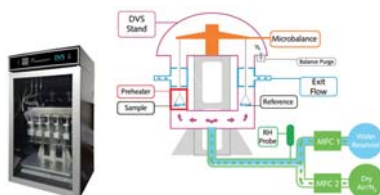


PEAQ-ITC 等溫低定微卡量熱儀

MicroCal

Isothermal Titration Calorimetry
Kd, enthalpy (ΔH), entropy (ΔS)

DVS 動態氣體吸脫附儀



Adventure 動態氣體吸脫附儀

Surface Measurement System

moisture diffusion, permeability
and sorption properties

Photopette 手持式光度計



Photopette 手持式光度計

Tip biosystem

Measuring Protein Concentration
Direct Turbidity Measurement

General Lab Equip



德國 Lauda 溫度控制系列

Constant Temp Controller

-150 to 550 °C $\pm$ 0.1°C
Thermostats, circulation chiller,
water bath

General Lab Equip



德國 Solida 生物反應器系列

Bio reactors

Fermentation and cell culture
500ml to 20L
Glass, SS316, Disposable

General Lab Equip



加拿大 ColdBlock 快速 IR 消化儀

IR Digestion

Short-Wave IR & Cooling Block
1-30g digestion in minutes
No hydrofluoric & perchloric acid