

Wyatt 光散射分析系統

蛋白質及奈米粒子量測全面性解決方案



Aggregation
Impurities & Fragments

Native Properties
Oligomeric State
Glycoproteins
Membrane Proteins

Conjugation
PEGylation
Protein-polysaccharides

Solution Quality
Purification
Reagent Qualification

Formulation Screening
High-concentration mAbs
Colloidal and Thermal Stability

Interactions
Affinity & Stoichiometry
Self-associations
Hetero-associations

Mass and Size Distributions
Reaction Monitoring
Degradation Kinetics

Shape and Structure
Size Distributions
Number Distributions

Conformation
Mark-Houwink-Sakurada
Parameters
Branching

Process Development
Liposomes, Viruses, VLPs
Separation of Complex Fluids

Copolymers
Composition Ratio
dn/dc

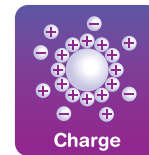
Zeta Potential
Engineered and Environmental Nanoparticles
Drug Delivery Nanoparticles



Absolute molecular weight from 200 to 1,000,000,000 g/mol



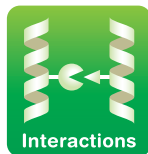
Shape, structure and branching parameters



Zeta potential and net molecular charge for particles from 2 nm to 100 μ m



RMS radius from 10 to 500 nm and hydrodynamic radius from 0.2 to 5,000 nm



Binding affinity from pM to mM and absolute stoichiometry of complex interactions



Molecular weight and fraction of each constituent in a binary conjugate



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