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## B7A - BROWN CANTRELL

*Effect of Chain Length of PEO on the Gelation and ...*

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Based on the previous finding, the relationship between the concentration of Pluronic F127 and the aggregation of rhGH during emulsification with organic solvent was further explored. As illustrated in Fig. 4, the effects of Pluronic F127 upon protecting rhGH against aggregation presented an intensive dependence on its concentration. The recovery of monomeric rhGH increased with the concentration of F127, giving the correlative coefficients of 0.9496 and 0.9924 under agitation and sonication ...

*On the rheology of Pluronic F127 aqueous solutions ...*

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*Microstructure transition of hydrophilic modified ...*

Poly(lactic acid) (PLA) were grafted to both ends of Pluronic F127 (PEO-PPO-PEO) to produce novel amphiphilic PLA-F127-PLA block copolymers. The aggregation behaviors of three different modified polymers were examined by laser light scattering and transmission electron microscopic techniques.

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*Thermo-reversible injectable gel Caco 2 Cell Permeability Assay Identification and Estimation of Dynamic Structural Models with Unobserved Choices* 2 5 2 1 2 van Genuchten Muallem model of retention |u0026 conductivity MIA: Fabian Theis, Reconstructing trajectories and branching lineages in single-cell genomics mod081ec43 - Relation between Electrophoretic mobility and Zeta potential - II Nanoencapsulation of miltefosine in polymeric micelles of pluronic polymer F 127 MIA: Allon Klein, Inference of high-dimensional dynamics; Caleb Weinreb, Single-cell lineage tracing SCOG Workshop Computational Single Cell Genomics 2019 opening by Fabian Theis NREL Develops Groundbreaking Formula for Renewable, Nontoxic Polyurethane MIA: Mor Nitzan, Inferring geometric embeddings for single-cell data Kinetics of spin-dependent aggregation of the doping ions SIO Nanobubble Generator, UFB Hydrodynamic Cavitation - Slow Motion Bioprinting 101: How to make Microfluidic Chips Gelation Introduction to Dynamic Light Scattering Analysis Zeta Potential Tutorial | Part 1: Intro to Zeta Potential Water Treatment | Coagulation Process Operation and Jar Testing Zeta Potential Tutorial | Part 2: Performing a Measurement

## Measuring zeta potential - electrophoresis How To Accurately Measure The Zeta Potential of Individual Particles

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*Poloxamer - Wikipedia*

Abstract The rheology of aqueous solutions of Pluronic F127 is studied as a function of concentration, temperature, and shear rate. At sufficiently low temperatures, the solutions behave like Newtonian fluids; a simple empirical model is proposed for the viscosity as a function of temperature and concentration.

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Pluronic® F-127 is a hydrophilic nontoxic copolymer widely used as a pharmaceutical excipient for its stabilizing properties and capability to increase the solubility of drugs. PF is an A-B-A-type triblock copolymer consisting of polyoxyethylene (PEO) units (A) and polyoxypropylene (PPO) units (B) with a thermoreversible gelation property [ 7 ].

*Preparation of curcumin-loaded pluronic F127/chitosan ...*

However, short PEO chains promote the gelation of F127, and long chains delay or even curb gel formation. Micelle size measurements and cryo-TEM micrographs provide evidence for micellar aggregation via the bridging of long PEO chains or depletion flocculation, thereby impeding the ordering of micelles for gel formation.

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Sedimentation equilibrium (SE) experiments were done at speeds of 25 000, 35 000 and 40 000 rpm for a total of 67.8 h and analyzed by the species analysis model in SEDPHAT (v. 9.4). 34 The system was standardized by running unmodified F127 Pluronic (found to be 12 500 g/mol as expected). Sedimentation velocity experiments were conducted at 50 000 rpm using a 2 channel charcoal centerpiece for 15 h and analyzed using SEDFIT (v. 12.43).

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