

Materials List for:

Characteristics of Precipitation-formed Polyethylene Glycol Microgels Are Controlled by Molecular Weight of Reactants

Susan Thompson¹, Jessica Stukel¹, Abrar AlNiemi^{1,2}, Rebecca Kuntz Willits¹

¹Department of Biomedical Engineering, The University of Akron

²Saint Vincent Saint Mary's High School

Correspondence to: Rebecca Kuntz Willits at willits@uakron.edu

URL: <https://www.jove.com/video/51002>

DOI: [doi:10.3791/51002](https://doi.org/10.3791/51002)

Materials

Name	Company	Catalog Number	Comments
Phosphate Buffered Saline (PBS)	MP Biomedical	2810305	
Triethanolamine (TEOA)	J.T. Baker	9468-01	Preheat to 37 °C prior to pipetting
Hydrochloric acid (HCl)	BDH Aristar	BDH3028	
Sodium Sulfate	J.T. Baker	3891-01	
Irgacure 2959	Ciba	029891301PS04	
Ovalbumin (OVA)	Invitrogen	34782	
PEG 1,500	Alfa Aesar	A16241	
PEG 3,000	Fluka	03997-1KG	
PEG 4,000	Alfa Aesar	A16151	
PEG 4,600	Sigma	373001-250G	
PEG 6,000	Fluka	03394-1KG	
PEG 10,000	Alfa Aesar	B21955	
Dextran 70	TCI	D1449	