

Materials List for:

Protein Kinase C-delta Inhibitor Peptide Formulation Using Gold Nanoparticles

Hisato Konoeda¹, Hong Yang², Chengliang Yang¹, Chun Xu¹, Wei Zhang¹, Mingyao Liu^{1,3}

¹Latner Thoracic Surgery Research Laboratories, Toronto General Hospital Research Institute, University Health Network

²Respiratory Medicine Research Laboratory, Institute of Translation Medicine, Shanghai General Hospital, Shanghai Jiaotong University

³Institute of Medical Science, Faculty of Medicine, University of Toronto

Correspondence to: Mingyao Liu at mingyao.liu@utoronto.ca

URL: <https://www.jove.com/video/58741>

DOI: [doi:10.3791/58741](https://doi.org/10.3791/58741)

Materials

Name	Company	Catalog Number	Comments
negatively charged glutamic acid peptide (P2)	CanPeptide		Sequence: CAAAAE-NH2 Length: 6aa Modification: C-terminal amidation Quantity: 50mg Purity:>95%
hydrophobic tryptophan peptide (P4)	CanPeptide		Sequence: CAAAAW-NH2 Length: 6aa Modification: C-terminal amidation Quantity: 50mg Purity:>95%
δPKCi peptide	CanPeptide		Sequence: CSFNSYELGSL-NH2 Length: 11aa Modification: C-terminal amidation Quantity: 50mg Purity:>95%
Conical tube(50ml)	Corning Life Sciences	3582070	
Conical tube(15ml)	Corning Life Sciences	3582096	
Acetonitrile	Sigma-Aldrich	271004-100ML	
Sonicator	Branson Ultrasonics Corp.	Branson 2510MTH	
Microtube	Diamed.ca	AD 150-N	
Gold nanoparticle solution	Ted Pella	15705-5	A particle size is 20nm
Rocking Platform shaker	VWR international	40000-304	
Microcentrifuge	Eppendorf	5417R	
Acryl cuvette	SARSREDT	67.758	
UV-Vis spectrophotometer	Agilent	Catly 60 UV-Vis	