

Materials List for

Purification of Self-Assembling Protein Nanoparticles Using an Affinity Chromatography Technique

1
?

URL: <https://www.jove.com/video/22267>
DOI: [doi:10.3791/22267](https://doi.org/10.3791/22267)

Materials

Name	Company	Catalog Number	Comments
2-propanol	Fisher	BP26181	4 L
Ampicillin	Fisher	BP1760-25	25 g
Corning Disposable Vacuum Filter/Storage Systems	Fisher	09-761-108	A variety of sizes
GE Healthcare 5 mL HisTrap HP Prepacked Columns	GE HealthCare	45-000-325	5 pack
Glycerol	Fisher	BP229-4	4 L
Imidazole	Fisher	O3196-500	500 g
Magic Media E. coli Expression Medium	ThermoFisher	K6803	1 L
MilliporeSigma Millex Sterile Syringe 0.22 mm Filters	Millipore	SLGV033RB	250 pack
One Shot BL21 Star (DE3) Chemically Competent E. coli	ThermoFisher	C601003	20 vials
Sodium Phosphate Monobasic	Fisher	BP329-500	500 g
Tris Base	Fisher	BP152-1	1 kg
Urea	Fisher	BP169-500	2.5 kg
Equipment			
Fiberlite F14-14 x 50cy Fixed-Angle Rotor	ThermoFisher	096-145075	Rotor
NGC Quest 10 Chromatography System	BioRad	7880001	FPLC to aid in protein purification
Sonifer 450	Branson	also known as 096-145075	Sonicator