

Materials List for:

Making Conjugation-induced Fluorescent PEGylated Virus-like Particles by Dibromomaleimide-disulfide Chemistry

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Materials

Name	Company	Catalog Number	Comments
LB Broth (Miller)	EMD Millipore	1.10285.0500	
Tryptone, Powder	Research Products International	T60060-1000.0	
Yeast Extract, Powder	Research Products International	Y20020-1000.0	
Anhydrous magnesium sulfate	P212121	CI-06808-1KG	
Sodium Chloride (Crystalline/ Certified ACS)	Fisher Scientific	S271-10	
Potassium Chloride	Fisher Scientific	BP366-500	
Elga PURELAB Flex 3 Water Purification System	Fisher Scientific	4474524	
Potassium Phosphate Monobasic	Fisher Scientific	BP362-1	
Potassium Phosphate Dibasic Anhydrous	Fisher Scientific	P288-500	
Sucrose	Fisher Scientific	S25590B	
Ethanol	Fisher Scientific	BP2818500	
Isopropyl β-D-1- thiogalactopyranoside (IPTG)	Sigma Aldrich	I6758-1G	
Fiberlite F10-4x1000 LEX rotor	Fisher Scientific	096-041053	
Ammonium Sulfate	P212121	KW-0066-5KG	
Chloroform	Alfa Aesar	32614-M6	
1-Butanol	Fisher Scientific	A399-4	
SW 28 Ti Rotor, Swinging Bucket, Aluminum	Beckman Coulter	342204: SW 28 Ti Rotor/ 342217: Bucket Set	
Type 70 Ti Rotor, Fixed Angle, Titanium, 8 x 39 mL,	Beckman Coulter	337922	
Coomassie (Bradford) Protein Assay	Fisher Scientific	PI23200	
TRIS Hydrochloride	Research Products International	T60050-1000.0	
Tetramethylethylenediamine	Alfa Aesar	J63734-AC	
Tris(2-carboxyethyl)phosphine hydrochloride	Sigma Aldrich	C4706-2G	
2 3-Dibromomaleimide 97%	Sigma Aldrich	553603-5G	
Polythylene Glycol	Alfa Aesar	41561-22	
Sodium Phosphate	Fisher Scientific	AC424375000	
Acrylamide/bis-Acrylamide	P212121	RP-A11310-500.0	

Sodium dodecyl sulfate	Sigma Aldrich	L3771-100G	
Ammonium Persulfate	Fisher Scientific	BP179-100	
FV3000 confocal laser scanning microscope	Olympus	FV3000	
Labnet Revolver Adjustable Rotator	Thomas Scientific	1190P25	
1000 mL Sorvall High Performance Bottle, PC, with Aluminum Cap	Thermo Scientific	010-1459	
Nalgene Centrifuge Bottles with Caps, Polypropylene Copolymer	Thermo Scientific	3141-0250	
Nunc Round-bottom tubes; 38 mL; PC	Thermo Scientific	3117-0380	
2 L Narrow Mouth Erlenmeyer Flasks with Heavy Duty Rim	Pyrex	4980-2L	
Amicon Ultra-4 Centrifugal Filter Units	Millipore Sigma	UFC801024	
M-110P Microfluidizer Materials Processor	Microfluidics	M-110P	
Nalgene High-Speed Polycarbonate Round Bottom Centrifuge Tubes	Thermo Scientific	3117-0380PK	
Bottle, with Cap Assembly, Polycarbonate	Beckman Coulter	41121703	
Cylinder, Graduated - Polypropylene 250 mL	PolyLab	80005	
533LS-E Series Steam Sterilizers	Getinge	533LS-E	
TrueLine, Cell Culture Plate, Treated, PS, 96 Well, with Lid	LabSource	D36-313-CS	
Falcon 15 mL Conical Centrifuge Tube	Fisher Scientific	14-959-53A	
Microcentrifuge Tube: 1.5mL	Fisher Scientific	05-408-129	
VWR Os-500 Orbital Shaker	VWR Scientific Products	14005-830	
Tetra Handcast systems	Bio-Rad	1658000FC	
Polypropylene, 250 mL	Beckman Coulter	41121703	
Spectrofluorometer NanoDrop	Thermo Fisher Scientific	3300	
Long Needle	Hamilton	7693	
Exel International 5 to 6 cc Syringes Luer Lock	Fisher Scientific	14-841-46	
P1000 Pipetman	Gilson	F123602	
P200 Pipetman	Gilson	F123601	
P100 Pipetman	Gilson	F123615	
P20 Pipetman	Gilson	F123600	
P10 Pipetman	Gilson	F144802	
Intel Weighing PM-100 Laboratory Classic High Precision Laboratory Balance	Intelligent Weighting Technology	IWT_PM100	
Falcon 50 mL Conical Centrifuge Tube	Fisher Scientific	14-432-22	
4–15% Mini-PROTEAN TGX Gel, 10 well, 50 µl	Bio-Rad	456-1084	