

Materials List for:

Directed Assembly of Elastin-like Proteins into defined Supramolecular Structures and Cargo Encapsulation In Vitro

Andreas Schreiber^{*1,2}, Lara G. Stühn^{*1,2}, Süreyya E. Geissinger^{1,2}, Matthias C. Huber^{1,2}, Stefan M. Schiller^{1,2,3,4,5,6}

¹Center for Biological Systems Analysis, University of Freiburg

²Faculty of Biology, University of Freiburg

³Freiburg Institute for Advanced Studies (FRIAS), University of Freiburg

⁴BIOSS Centre for Biological Signalling Studies, University of Freiburg

⁵IMTEK Department of Microsystems Engineering, University of Freiburg

⁶Cluster of Excellence livMatS at FIT - Freiburg Center for Interactive Materials and Bioinspired Technologies, University of Freiburg

*These authors contributed equally

Correspondence to: Andreas Schreiber at andreas.schreiber@zbsa.uni-freiburg.de, Stefan M. Schiller at stefan.Schiller@zbsa.uni-freiburg.de

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Materials

Name	Company	Catalog Number	Comments
1 µm and 0.2 µm Steril Filter	VWR		
1,4-Dithiothreitol	Merck		
1-butanol.>99.5% p.a.	Roth		
2log DNA ladder	NEB		
2-Mercaptoethanol	Roth		
50 mL Falcon tubes	VWR		
79249 Alkyne Mega Stokes dye	Sigma Aldrich		
Acetic acid glacial	VWR		
Acetonitrile, anhydrous, 99.8%	Sigma-Aldrich		
Ampicillin sodium-salt, 99%	Roth		
BDP-FL-PEG4-DBCO	Jena Bioscience		
Biofuge	Heraeus		
Bottle Top Filter with PES membrane (45 µm, 22 µm)	Thermo Scientific		
Brilliant Blue G250 (Coomassie)	Roth		
BspQI	NEB		
Camera DS Qi1	Nikon		
Centrifuge 5417r	Eppendorf		
Centrifuge 5810r	Eppendorf		
CF-400-Cu square mesh copper grid	EMS		
Chloramphenicol	Roth		
CompactStar CS 4	VWR		
Dextran, Texas Red, 3000 MW, neutral	Life Technologies		
Digital sonifier	Branson		
Dimethylsulfoxide (DMSO)	Applichem		
Dnase I	Applichem		
Earl	NEB		
EcoRI-HF	NEB		

Environmental shaker incubator ES-20	Biosan		
Ethanol absolute	Roth		
Ethidium bromide solution	Roth		
Filter supports	Avanti		
Glass plates	Bio-Rad		
Glycerol Proteomics Grade	Amresco		
Glycin	Applichem		
H4-Azido-Phe-OH	Bachhem		
Heat plate MR HeiTec	Heidolph		
HindIII	NEB		
HisTrap FF crude column	GE Life Sciences		Nickel column
Hydrochloride acid fuming, 37%, p.a.	Merck		
Illuminator ix 20	INTAS		
Illuminator LAS-4000	Fujifilm		
Imidazole	Merck		
Immersion oil for microscopy	Merck		
Incubators shakers Unimax 1010	Heidolph		
Inkubator 1000	Heidolph		
IPTG, >99%	Roth		
Kanamycinsulfate	Roth		
L(+)-Arabinose	Roth		
Laboratory scales Extend ed2202s/224s-OCE	Sartorius		
LB-Medium	Roth		
Lyophilizer Alpha 2-4 LSC	Christ		
Lysozyme, 20000 U/mg	Roth		
Microscope CM 100	Philips		
Microscope Eclipse TS 100	Nikon		
Microscopy cover glasses (15 x 15 mm)	VWR		
Microscopy slides	VWR		
Microwave	Studio		
Mini-Extruder Set	Avanti Polar Lipids		
NaCl, >99.5%, p.a.	Roth		
Natriumhydroxid pellets	Roth		
Ni-NTA Agarose, PerfectPro	5 Prime		
Nucleopore Track-Etch Membrane	Avanti		
PH meter 766 calimatic	Knick		
Phenylmethylsulfonylflour id (PMSF)	Roth		
Polypropylene Columns (1 mL)	Qiagen		
PowerPac basic	BioRad		
Propanol-2-ol	Emplura		
Protein ladder 10-250 kDa	NEB		
Recirculating cooler F12	Julabo		

Reinforcement rings	Herma		
Sacl HF	NEB		
SDS Pellets	Roth		
Sodiumdihydrogen phosphate dihydrate, NaH ₂ PO ₄	VWR		
Sterile syringe filter 0.2 mm Cellulose Acetate	VWR		
T4 DNA Ligase	NEB		
TEMED	Roth		
TexasRed Dextran-Conjugate	MolecularProbes		
Thermomix comfort	Eppendorf		
THF,>99.5% p.a.	Acros		
Triton X 100	Roth		
Trypton/Pepton from Casein	Roth		
Ultrasonic cleaner	VWR		
Urea p.a.	Roth		
Vacuum pump 2.5	Vacuubrand		
Xbal	NEB		
Xhol	NEB		
ZelluTrans regenerated cellulose tubular membrane (12.0 S/ 3.5 S/ 1.0 V)	Roth		