

Self-Assembly of Gamma-Modified Peptide Nucleic Acids into Complex Nanostructures in Organic Solvent Mixtures

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Citation

Kumar, S., Liu, Y., Taylor, R.E. Self-Assembly of Gamma-Modified Peptide Nucleic Acids into Complex Nanostructures in Organic Solvent Mixtures. *J. Vis. Exp.* (), e61351, doi:10.3791/61351 (2020).

Date Published

June 26, 2020

DOI

10.3791/61351

URL

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Materials

Name	Company	Catalog Number	Comments
γPNA strands/oligomers	TruCode Gene Repair Inc.		Section 2.1
UV-Vis Spectrophotometer	Agilent	Varian Cary 300	Section 3.1.2
Quartz cuvettes	Starna	29-Q-10	Section 3.1.1
Thermal cycler	Bio Rad	C1000 touch	Section 4.1
0.2 mL PCR tubes	VWR	53509-304	Section 4.5
Anhydrous DMF	VWR	EM-DX1727-6	Section 4.6
Anhydrous DMSO	VWR	EM-MX1457-6	Section 4.6
Anhydrous 1,4-Dioxane	Fisher Scientific	AC615121000	Section 4.6
10X Phosphate Buffered Saline (PBS)	VWR	75800-994	Section 3.1.1
Microscope slides	VWR	89085-399	Section 5.2
Glass cover slips	VWR	48382-126	Section 5.2
2% Collodion in Amyl Acetate	Sigma-Aldrich	9817	Section 5.2
Isoamyl Acetate	VWR	200001-180	Section 5.2
Biotinylated Bovine Serum Albumin (Biotin-BSA)	Sigma-Aldrich	A8549	Section 5.3
Bovine Serum Albumin (BSA)	Sigma-Aldrich	A2153	Section 5.4
Streptavidin	Sigma-Aldrich	189730	Section 5.5
Trolox	Sigma-Aldrich	238813	Section 5.7
Total Internal Reflection Fluorescence microscope	Nikon	Nikon Ti2-E	Section 5.8
Transmission Electron Microscope	Joel	JEM 1011	Section 6.6
Tweezers	Dumont	0203-N5AC-PO	Section 6.3
Uranyl Acetate	Electron Microscopy Sciences	22400	Section 6.1
Formvar, 300 mesh, Copper grids	Ted Pella Inc.	1701-F	Section 6.2
Formvar-Silicon monoxide Type A, 300 mesh, Copper grids	Ted Pella Inc.	1829	Section 6.2
DNA oligomers/strands	IDT		Section 7.1

Sodium Dodecyl Sulphate (SDS)	VWR	97064-860	Section 8.1
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