

Materials List for:

# Stable DNA Motifs, 1D and 2D Nanostructures Constructed from Small Circular DNA Molecules

Xin Guo<sup>1</sup>, Xue-Mei Wang<sup>1</sup>, Shou-Jun Xiao<sup>1</sup>

<sup>1</sup>State Key Laboratory of Coordination Chemistry, School of Chemistry and Chemical Engineering, Nanjing University

Correspondence to: Shou-Jun Xiao at [sjxiao@nju.edu.cn](mailto:sjxiao@nju.edu.cn)

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## Materials

Name	Company	Catalog Number	Comments
T4 ligase	TaKaRa	2011A	
T4 buffer	TaKaRa	2011A	
TE buffer	Sangon	B548106	
Thermo bottle	Thermos	SK-3000	
Thermo cycler	Bio Gener	GE4852T	
Exonuclease I	TaKaRa	2650A	
Exonuclease I buffer	TaKaRa	2650A	
30% (w/v) Acryl/Bis solution (19:1)	Sangon	B546016	
TAE premix podwer	Sangon	B540023	
Mg(Ac)2·4H2O	Nanjing Chemical Reagent	C0190550223	
Urea	Sangon	A510907	
TEMED	BBI	A100761	
Ammonium Persulfate	Nanjing Chemical Reagent	13041920295	
Power supply	Beijing Liuyi	DYY-8C	
Water bath	Sumsung	DK-S12	
Formamide	BBI	A100314	
DNA Marker (25~500 bp)	Sangon	B600303	
DNA Marker (100~3000 bp)	Sangon	B500347	
Loading buffer	Sangon	B548313	
PAGE electrophoresis system	Beijing Liuyi	24DN	
Filter	ASD	5010-2225	0.22 μM
UV imaging System	Tanon	2500R	
n-butanol	Sangon	A501800	
Absolute Ethanol	SCR	10009257	
NaOAc	Nanjing Chemical Reagent	12032610459	
Centrifuge	eppendorf	Centrifuge 5424R	
Vacuum concentrator	CHRIST	RVC 2-18	
Ultraviolet spectrum	Allsheng	Nano-100	
nucleic acid stain	Biotium	16G1010	GelRed
Agarose	Biowest	G-10	
Agarose electrophoresis system	Beijing Liuyi	DYCP-31CN	
Heating Plate	Jiangsu Jintan	DB-1	
TBE premix podwer	Sangon	B540024	
filter column	Bio-Rad	7326165	Freeze 'N Squeeze column

AFM	Bruker	Dimension FastScan	
PEG8000	BBI	A100159	
Mica	Ted Pella	BP50	
triangular AFM probe in air	Bruker	FastScan-C	
triangular AFM probe in fluid	Bruker	ScanAsyst-fluid+	
DNA strands	Sangon		