

Materials List for

Getting an A with the 3Cs: Chromosome Conformation Capture for Undergraduates

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Materials

Name	Company	Catalog Number	Comments
37% Formaldehyde	Millapore-Sigma	F8775	
100% Ethanol	Millapore-Sigma	E7023	
CaCl ₂	MP Biomedical	215350280	
chloroform	Millapore-Sigma	C0549	
cOmplete, EDTA-free Protease Inhibitor Cocktail	Millapore-Sigma	COEDTAF-RO	mixed to 50x in water. Diluted to 1x in Sucrose buffer and GB buffer fresh
Dithiothreitol (DTT)	Millapore-Sigma	D0632	1 M stock diluted to 500 μM in Sucrose buffer and GB buffer fresh
DpnII	NEB	R0543M	
Glycerol	Millapore-Sigma	G9012	
glycine	Millapore-Sigma	G8898	
glycogen	Millapore-Sigma	10901393001	
HEPES	Millapore-Sigma	H3375	
KCl	Millapore-Sigma	P3911	
KH ₂ PO ₄	Millapore-Sigma	P5655	
methyl green pyronin	Millapore-Sigma	HT70116	
MgAc ₂	Thermoscientific	1222530	
Na ₂ HPO ₄	Millapore-Sigma	S5136	
NaCl	Millapore-Sigma	S9888	
phenol-chloroform	Millapore-Sigma	P3803	
Pronase	Millapore-Sigma	11459643001	
Proteinase K	IBI Scientific	IB05406	
qPCR Ready mix (Phire Taq etc)	Millapore-Sigma	KCQS07	
RNase A	Millapore-Sigma	R6148	
Sodium Acetate	Millapore-Sigma	S2889	
sodium dodecyl sulfate (SDS)	Millapore-Sigma	L3771	
Sucrose	Millapore-Sigma	S0389	

T4 DNA Ligase	Promega	M1804	
Tris-HCl	Millapore-Sigma	108319	
Triton X-100	Millapore-Sigma	T9284	
Trypsin-EDTA	Millapore-Sigma	T4049	