

Materials List for

Small-Scale Extraction of *Caenorhabditis elegans* Genomic DNA

Bhoomi Madhu¹, Mohammed Farhan Lakdawala¹, Tina L. Gumienny¹

¹Department of Biology, Texas Woman's University

Corresponding Author

Tina L. Gumienny
tgumienny@twu.edu

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jove.com/video/63716

Materials

Name	Company	Catalog Number	Comments
autoclave tape	Defend	43237-2	
aluminium foil, heavy duty	Reynolds Wrap	2182934	
calcium chloride	Millipore Sigma	102382 (CAS 10035-04-8)	
Extract-N-Amp kit (includes Tissue Preparation Solution, Extraction Solution, and Neutralization Solution)	Sigma-Aldrich Co. LLC	XNAT2-1KT	
Isotemp hotplate/stirrer	Fisher Scientific	11-100-495H	
LB media, Lennox, capsules	MP Biomedicals, LLC	3002-131	
magnesium sulfate, 97% pure, anhydrous	Thermo Scientific	AC413485000 (CAS 7487-88-9)	
microcentrifuge	Labnet International, Inc.	PrismR, C2500-R	
NEB Q5U Hot Start High-Fidelity DNA polymerase	New England Biolabs, Inc.	M0515S	"Pol E" used in Supplemental Figure S1, a high-speed, high-fidelity polymerase (20–30 s/kb)
NGM media powder	US Biological Life Sciences	N1000	
Phusion High-Fidelity PCR Master Mix with HF Buffer	New England Biolabs, Inc.	M0531S	"Pol D" in Figure 1B, a high-speed, high-fidelity polymerase (15–30 s/kb)
primers	Integrated DNA Technologies	custom DNA oligos	
PrimeSTAR GXL polymerase	Takara Bio Inc.	R050B	"Pol C" in Figure 1B, a high-fidelity polymerase (1 min/kb) for GC-rich templates and templates up to 30 kb
Quick-Load Purple 2-log DNA Ladder (0.1–10.0 kb)	New England Biolabs, Inc.	N0550S	
SapphireAmp Fast PCR Master Mix	Takara Bio Inc.	RR350A	"Pol A" in Figure 1B, polymerase used in Figure 1A, C, D, a high-speed polymerase (10 s/kb) for targets up to 5 kb
Sigma ReadyMix Taq PCR reaction mix	Sigma-Aldrich Co. LLC	P4600	"Pol B" in Figure 1B, a polymerase (1 min/kb) for targets up to 7 kb
SimpliAmp thermal cycler	Applied Biosystems	A24812	
stir bar	Fisher Scientific	14-512-126	
vortex mixer	Fisher Scientific	2215365	

worm pick	Genesee Scientific Corporation	59-AWP	
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