

Materials List for:

# Plasmid-derived DNA Strand Displacement Gates for Implementing Chemical Reaction Networks

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URL: <https://www.jove.com/video/53087>

DOI: [doi:10.3791/53087](https://doi.org/10.3791/53087)

## Materials

Name	Company	Catalog Number	Comments
Phusion High-Fidelity PCR Master Mix with HF Buffer	NEB	M0531S	
PvuII-HF	NEB	R3151L	
PstI-HF	NEB	R3140S	
Gibson Assembly Master Mix	NEB	E2611S	
Terrific Broth, Modified	SIGMA-ALDRICH	T0918-250G	
QIAprep Spin Miniprep Kit (250)	QIAGEN	27106	
QIAGEN Hispeed Maxi-prep Kit	QIAGEN	12662	
Nb.BsrDI	NEB	R0648L	
Nt.BstNBI	NEB	R0607L	
NanoDrop 2000c	Thermo Scientific		
Double-stranded Genomic Blocks	IDT		
Horiba Jobin-Yvon Spex Fluorolog-3 Fluorimeter	Horiba/Jobin Yvon		
Synthetic Quartz Cells	Starna	23-5.45-S0G-5	
QIAGEN Gel Extraction Kit	QIAGEN	28706	
Plasmid Backbones	BioBrick	E0240-pSB1A2	High copy number plasmid with Ampicillin resistance. Sequence can be found from <a href="http://parts.igem.org">http://parts.igem.org</a>