

Materials List for:

CRISPR Guide RNA Cloning for Mammalian Systems

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URL: <https://www.jove.com/video/57998>

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Materials

Name	Company	Catalog Number	Comments
BsmBI	New England Biolabs	R0580L	
T4 DNA ligase	Enzymatic/New England Biolabs	L6030-LC-L/M0202S	
Buffer 3.1	New England Biolabs	B7203S	
Adenosine 5'-Triphosphate (ATP)	New England Biolabs	P0756S	
QIAprep spin miniprep kit	Qiagen	27104	
Chemically competent <i>E. coli</i>	New England Biolabs	C3019I, C2987I, or C3040H	
Standard microcentrifuge tubes, 1.5 mL	Eppendorf	0030 125.150	
Axygen 8-Strip PCR tubes	Fischer Scientific	14-222-250	
Thermocycler with programmable temperature-stepping control	BioRad,	1851148	
UV spectrophotometer (NanoDrop 2000c)	Thermo Scientific		
pSB700 plasmid	Addgene	#64046	
NEB Stable Competent <i>E. coli</i> (High Efficiency)	New England Biolabs	c3040	
Lysogeny broth (LB)			
Ampicillin			
TE buffer (1 mM EDTA, 10 mM Tris-Cl, pH 7.5)			