

Materials List for:

Testing the Role of Multicopy Plasmids in the Evolution of Antibiotic Resistance

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URL: <https://www.jove.com/video/57386>

DOI: [doi:10.3791/57386](https://doi.org/10.3791/57386)

Materials

Name	Company	Catalog Number	Comments
Thermocycler	BioRad	C1000	
Electroporator	BiorRad	1652660	
Electroporation cuvettes	Sigma-Aldrich	Z706078	
NanoDrop 2000/2000c	Thermo Fisher Scientific	ND-2000	Determine DNA quality measuring the ratios of absorbance 260nm/280nm and 260nm/230nm
Incubator	Memmert	UF1060	
Incubator (shaker)	Cole-Parmer Ltd	SI500	
Electrophoresis power supply	BioRad	1645070	Agarose gel electrophoresis
Electrophoresis chamber	BioRad	1704405	Agarose gel electrophoresis
Pipettes	Biohit	725020, 725050, 725060, 725070	
Multi-channel pipettes	Biohit	728220, 728230, 728240	
Plate reader Synergy HTX	BioTek	BTS1LF	
Inoculating loops	Sigma-Aldrich	I8388	
96-well plates	Falcon	351172	
LB	BD Difco	DF0446-17-3	
LB agar	Fisher scientific	BP1425-500	
Phusion Polymerase	Thermo Fisher Scientific	F533S	
Gibson Assembly	New England Biolabs	E2611S	
Restriction enzymes	Fermentas FastDigest		
Antibiotics	Sigma-Aldrich		
QIAprep Spin Miniprep Kit	Qiagen	27104	Plasmid extraction kit
Wizard Genomic DNA Purification Kit	Promega	A1120	gDNA extraction kit
DNeasy Blood & Tissue Kits	Qiagen	69506	gDNA extraction kit
Electroporation cuvettes	Sigma-Aldrich	Z706078	
Petri dishes	Sigma-Aldrich	D9054	
Cryotubes	ClearLine	390701	
96-well plates (-80°C storage)	Thermo Fisher Scientific	249945	
QuantiFluor dsDNA System	Promega	E2670	Quantification of DNA concentration
Agarose	BioRad	1613100	Agarose gel electrophoresis

50x TAE buffer	BioRad	1610743	Agarose gel electrophoresis
T4 Polynucleotide Kinase	Thermo Fisher Scientific	EK0031	
T4 DNA Ligase	Thermo Fisher Scientific	EL0014	