

Materials List for:

Subcloning Plus Insertion (SPI) - A Novel Recombineering Method for the Rapid Construction of Gene Targeting Vectors

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URL: <https://www.jove.com/video/52155>

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Materials

Name	Company	Catalog Number	Comments
Antibiotics except Zeocin	Sigma: http://www.sigmaaldrich.com	Ampicillin, A9518-5G; Chloramphenicol , C1919-5G; Blasticidin, 15205-25MG; Gentamicin, G1264-50MG; Hygromycin, H3274-50MG; Kanamycin, : K1876-1G; Tetracycline hydrochloride, T7660-5G; Trimethoprim, 92131-1G	
Zeocin	Invivogen:	ant-zn-1	Zeocin is also available from Life technologies/Fisher
C57BL/6 BAC clones	CHORI: https://bacpac.chori.org/	RPCI-23 or RPCI-24 BAC libraries	129/Sv BAC clones can be obtained from Invivogen or Life technologies/Fisher
KOD hotstart DNA polymerase system	Millipore: https://www.merckmillipore.com	71086-3	
L-Arabinose	Sigma: http://www.sigmaaldrich.com	A3256-25G	
Long oligos	IDT: https://www.idtdna.com ; Gene link: https://www.genelink.com	IDT Ultramers or Gene Link long oligos	PTO and Phosphosphate available as custom modifications. PAGE purification strongly recommended for long oligos.
MinElute PCR purification kit	Qiagen: http://www.qiagen.com	28004	Minimum elution PCR purifications kits are preferred.
QIAPrep Spin Mini Prep kit	Qiagen: http://www.qiagen.com	27104	Silica column or similar matrix kits are preferred.
Restriction enzymes	NEB: https://www.neb.com	DpnI: R0176L	See NEB website for a list of RE.