

Materials List for:

A Simple and Efficient Approach to Construct Mutant Vaccinia Virus Vectors

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Materials

Name	Company	Catalog Number	Comments
Plasmid #41824	41824	Addgene	gRNA cloning vector
pST1374	13426	Addgene	Cas9 cloning vector
pGEMT easy	A1360	promega	repair donor vector cloning
One Shot TOP10 Chemically Competent <i>E. coli</i>	C4040-10	Invitrogen	transformation
QIAprep Spin Miniprep Kit	27106	Qiagen	plasmid extraction
Dulbecco's Eagle's Medium (DMEM)	11965-092	Life Technologies	cell culture medium
fetal bovine serum (FBS)	SH30088.03HI	Hyclone	cell culture serum
penicillin, streptomycin	15070-063	Thermo Scientific	antibiotics
Effectene	301425	Qiagen	transfection
Thermo Scientific Nalgene Cryogenic vial; 2.0 mL	W-06754-96	Thermo Scientific	collect virus
fluorescence microscope	Olympus BX51 Fluorescence	Olympus	find RFP-positive plaque
DNeasy Blood & Tissue Kit	69506	Qiagen	DNA extraction
Extensor Long PCR ReddyMix Master Mix	AB-0794/B	Thermo Scientific	PCR reagent
10 cm culture dish	Z688819-6EA	sigma	cell culture
6-well plate	Z707759	sigma	cell culture
cell scraper	C5981	sigma	scrap cells
1x Trypsin-EDTA solution	T4299	sigma	trypsinize cells
Virkon	95015661	Anachem Ltd	disinfectant
Falcon tube	CLS430791-500EA	Sigma	hold cell suspension
N1L forward 5'-TATCTAGCAATGGACCGT-3'		Sigma	PCR primer
N1L reverse 5'-CCGAAGGTAGTAGCATGGA-3'		Sigma	PCR primer
A52R forward 5'-ATAGATTGTGTGCATGC-3'		Sigma	PCR primer
A52R reverse 5'-TTGCGGTATATGTATGAGGTG-3'		Sigma	PCR primer
RFP forward 5'-GCTACCGGACTCAGATCCA-3'		Sigma	PCR primer
RFP reverse 5'-CGCCTTAAGATACATTGATGAG-3'		Sigma	PCR primer
Argarose	A7431	Sigma	resolve PCR product

G:BOX F3	G:BOX F3	Syngene	UV gel doc
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