

Materials List for:

Generating Recombinant Avian Herpesvirus Vectors with CRISPR/Cas9 Gene Editing

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URL: <https://www.jove.com/video/58193>

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Materials

Name	Company	Catalog Number	Comments
M199 medium, Earle's Salts	Life technology	11150059	cell culture medium
Fetal Bovine Serum	Sigma	F0926	cell culture medium
Penicillin and Streptomycin	Life technology	15140148	antibiotics
Fungizone	Sigma	1397-89-3	antifungal
Tryptose Phosphate Broth	Sigma	T8782	cell culture medium
HVT Fc126 strain	Avian Disease and Oncology Laboratory		wildtype HVT virus
pX459-v2	Addgene	Plasmid #62988	Cas9 and gRNA expression vector
pGEM-T Easy Vector Systems	promega	A1360	donor vector cloning
Subcloning Efficiency DH5α Competent Cells	Invitrogen	18265-017	transformation
Pacl	NEB	rR0547S	donor vector cloning
Sfil	NEB	R0123S	donor vector cloning
T4 DNA Ligase	NEB	M0202S	cloning
QIAprep Spin Miniprep Kit	QIAGEN	27106	plasmid extraction
TransIT-X2	Mirus	MIR 6004	transfection
Cell Culture 6-well Plate	Thermofisher	140675	cell culture
GoTaq Master Mixes	Promega	M7123	junction PCR amplification
Platinum Pfx DNA Polymerase	Thermofisher	11708021	PCR amplification of full insert
Goat anti-Chicken IgY (H+L) Antibody, Alexa Fluor 488	Invitrogen	A-11039	immunofluorescence staining
Goat anti-Mouse IgG Antibody, Alexa Fluor 568	Invitrogen	A-11004	immunofluorescence staining
Confocal laser scanning microscope	Leica Microsystems	Leica TCS SP5 LASAF	immunofluorescence
FACS cell sorter	BD biosciences	BD FACSAria	single cell sorting
Paraformaldehyde (4% in PBS)	Santa cruz biotechnology	SC-281692	cell fixation
Triton X-100	GeneTex	GTX30960	permeabilization