

Materials List for

# Production of Human CRISPR-Engineered CAR-T Cells

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jove.com/video/62299

## Materials

Name	Company	Catalog Number	Comments
4D-Nucleofactor Core Unit	Lonza	AAF-1002B	
4D-Nucleofactor X-Unit	Lonza	AAF-1002X	
Accuprime Pfx Supermix	ThermoFisher	12344040	
Beckman Optima XPN ultracentrifuge	Beckman Coulter		
Brilliant Violet 605 anti-human CD3 Antibody	Biolegend	317322	Clone OKT3
BV711 Anti-human PD1	Biolegend		Clone EH12.2H7
Cas9-Electroporation enhancers	IDT	1075915	
CD3/CD28 Dynabeads	ThermoFisher	40203D	
CD4+ T cell isolation Kit	StemCell technologies	15062	
CD8+ T cell isolation Kit	StemCell technologies	15063	
Corning 0.45 micron vacuum filter/ bottle	Corning	430768	
Corning T150 cell culture flask	Millipore Sigma	CLS430825	
DMSO	Millipore Sigma	D2650	
DNAeasy Blood and Tissue Kit	Qiagen	69504	
DynaMag Magnet	ThermoFisher	12321D	
Glutamax supplement	ThermoFisher	35050061	
HEK293T cells	ATCC	CRL-3216	
HEPES (1 M)	ThermoFisher	15630080	
hull-15	PeproTech	200-15	
hull-7	PeproTech	200-07	
Lipofectamine 2000	ThermoFisher	11668019	
Nucleospin Gel and PCR cleanup	Takara	740609.25	
Opti-MEM	ThermoFisher	31985062	
P3 Primary cell 4D-nucleofactor X Kit L	Lonza	V4XP-3024	
Penicillin-Streptomycin-Glutamine	ThermoFisher	10378016	
pTRPE expression Plasmid	in house		

Rabbit Anti-Mouse FMC63 scFv Monoclonal Antibody, (R19M), PE	CytoArt	200105	
RPMI1640	ThermoFisher	12633012	
sgRNA	IDT		
Spy Fi Cas9	Aldevron	9214	
Ultracentrifuge tubes	Beckman Coulter	326823	
Viral packaging mix	in house		
X-Vivo-15 Media	Lonza	BE02-060F	