

Materials List for

Efficient Generation of Murine Chimeric Antigen Receptor (CAR)-T Cells

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Materials

Name	Company	Catalog Number	Comments
0.45 µm filters	MilliporeSigma	SLHVR33RS	
1 mL syringe	Fisher Scientific	14-955-450	
1.5 mL microcentrifuge tubes	Fisher Scientific	05-408-135	
10 mL syringe	BD	14-823-16E	
100 µm strainer	Corning	07-201-432	
15 cm TC treated cell culture dishes	ThermoFisher Scientific	130183	
15 mL conical tubes	Falcon	14-959-70C	
40 µm strainer	Corning	07-201-430	
50 mL conical tubes	Falcon	14-959-49A	
70 µm strainer	Corning	07-201-431	
Attune NxT Flow Cytometer	ThermoFisher Scientific		
BALB/C, 6-8 week old	Jackson Laboratory	651	
B-Mercaptoethanol	Gibco	21985023	
Bovine Serum Albumin	GOLDBIO	A-420-500	
DMEM Medium	Gibco	11965092	
Dulbecco's Phosphate Buffered Saline (PBS), without Calcium and Magnesium	Gibco	14-190-250	
DynaMag-2 Magnet	Invitrogen	12-321-D	
EasySep Magnet	Stemcell Technologies	18000	
EasySep Mouse T cell Isolation Kit	Stemcell Technologies	19851	
FACS buffer	BD	BDB554657	
Fetal bovine serum (FBS)	Corning	MT35011CV	
GlutaMAX	Gibco	35-050-061	
G-Rex6	Wilson Wolf	80240M	
HEPES Buffer Solution	Gibco	15-630-080	
Human recombinant IL-15	Miltenyi Biotec	130-095-765	

Human recombinant IL-2	Miltenyi Biotec	130-097-748	
Human recombinant IL-7	Miltenyi Biotec	130-095-363	
Lipofectamine 3000	Invitrogen	L3000008	
MEM Non-Essential Amino Acids Solution	Gibco	11140-050	
Mouse Anti-CD3 BV421	Biolegend	100228	
Mouse Anti-CD3/CD28 Dynabeads	Gibco	11-453-D	
Mouse Anti-CD4 BV605	BD	563151	
Mouse Anti-CD44 APC	Biolegend	103011	
Mouse Anti-CD62L PE-Cy7	Tonbo	SKU 60-0621-U025	
Mouse Anti-CD8 APC-Cy7	Tonbo	SKU 25-0081-U025	
Nikon Ti2 with Prime 95B camera	Nikon		
Non-treated 24 well plates	CytoOne	CC7672-7524	
Opti-MEM	Gibco	31-985-062	
pCL-Eco	Addgene	#12371	
Penicillin/Streptomycin Solution	Gibco	15-070-063	
Phoenix Eco cells	ATCC	CRL-3214	
pMDG.2	Addgene	#12259	
pMSCV_PGK_GFP28z	N/A	Produced by R.LV.	
Purified sfGFP	N/A	Produced by R.LV.	
RetroNectin ('transduction reagent')	Takara Bio	T100B	
RPMI 1640	Gibco	21875	
Serological pipette 10 mL	Fisher Scientific	13-678-11E	
Serological pipette 25 mL	Fisher Scientific	13-678-11	
Serological pipette 5 mL	Fisher Scientific	13-678-11D	
Sodium Pyruvate	Gibco	11-360-070	
TC-treated 24 well plates	Corning	08-772-1	
Trypan blue	Gibco	15-250-061	