

Materials List for:

Designing, Packaging, and Delivery of High Titer CRISPR Retro and Lentiviruses via Stereotaxic Injection

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Materials

Name	Company	Catalog Number	Comments
List of Cell Culture Reagents			
293FT cell line	Life Technologies	R700-07	For Lentivirus
293GP cell line	Clontech	631458	For Retrovirus
Iscove's Modification of DMEM (IMDM)	Corning	10-016-CV	Complete IMDM with 10% FBS, 1% NEAA, 1% L-Gln, and 1% P/S
Fetal Bovine Serum (FBS)	Corning	35-011-CV	
MEM Nonessential Amino Acids (NEAA)	Corning	25-025-CI	
L-Glutamine solution, 100x (L-Gln)	Corning	25-005-CI	
Penicillin/Streptomycin solution, 100x (P/S)	Corning	30-002-CI	
Polystyrene 10 cm plate	USA Scientific	CC7682-3394	
Trypsin EDTA 1x	Corning	25-053-CI	
List of Transfection Reagents			
5 ml polystyrene tubes	Fisher Scientific	352054	
Calcium Chloride Dihydrate (CaCl ₂)	Fisher Scientific	C69-500	Make a 2.5 M solution in ddH ₂ O
Sodium Chloride (NaCl)	Fisher Scientific	S271-3	
HEPES	Fisher Scientific	BP2939-100	
Sodium phosphate dibasic (Na ₂ HPO ₄)	Fisher Scientific	S369-500	
2x HEPES Buffered Saline (HBS)			500 ml: 8.2 g NaCl, 5.95 g HEPES, 0.106 g Na ₂ HPO ₄ , pH 7.01 (exact!)
Caffeine	Sigma-Aldrich	C0750-5G	
0.22 µm syringe filter unit	EMD Millipore	SLGV033RS	
0.45 µm syringe filter unit	EMD Millipore	SLHP033RS	
60 cc L/L Syringe	Med-Vet International	MV60CCLL	
50 ml Conical Tube	Corning	352098	
polyethylene glycol 6000 (PEG 6000)	Millipore	528877	
(10x) Phosphate Buffered Saline (PBS)	National Diagnostics	CL-253	
0.5 ml microcentrifuge tubes	USA Scientific	1605-0000	
Matrigel	Fisher Scientific	CB-40230A	
6-well plate	Fisher Scientific	353046	
Paraformaldehyde	Fisher Scientific	AC41678-5000	

Donor Horse Serum	Cellgro	35-030-CV	
TritonX-100	Sigma-Aldrich	X100-500ML	
10 ml serological pipette	Fisher Scientific	357551	
anti-GFP, rabbit, 488 conjugate	Invitrogen	A21311	
Stereotaxic Surgery Reagents			
Vet-Syringe vet use T.B. Syringe only 1 cc Luer slip T.B. 100/bx	Med-Vet International	1CCVLS	
Isoflurane			
Stainless Steel Scalpel Blades, #10, 100-pk	Med-Vet International	JOR580S	
artificial tear ointment	Med-Vet International	RXPARALUBE-O	
PVP PrepSolution	Med-Vet International	HPIV108208H	
normal saline	Med-Vet International	DYND500MLSH	
cotton tipped applicators	Med-Vet International	CTA6	
Triple antibiotic ointment	Med-Vet International	RXTRIP-OI15	
MONOJECT® Needles Soft Pack 25 g x 5/8"	Med-Vet International	25058	
6-0 silk sutures	Med-Vet International	MV-711	