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	
Pennicillin/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 <sub>2</sub> )	Fisher Scientific	C69-500	Make a 2.5 M solution in ddH <sub>2</sub> O
Sodium Chloride (NaCl)	Fisher Scientific	S271-3	
HEPES	Fisher Scientific	BP2939-100	
Sodium phosphate dibasic (Na <sub>2</sub> HPO <sub>4</sub> )	Fisher Scientific	S369-500	
2x HEPES Buffered Saline (HBS)			500 ml: 8.2 g NaCl, 5.95 g HEPES, 0.106 g Na <sub>2</sub> HPO <sub>4</sub> , 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	



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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		