

Materials List for:

Retroviral Scanning: Mapping MLV Integration Sites to Define Cell-specific Regulatory Regions

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Materials

Name	Company	Catalog Number	Comments
PBS, pH 7.4	ThermoScientific	10010031	or equivalent
Fetal Bovine Serum	ThermoScientific	16000044	or equivalent
0.2 ml tubes	general lab supplier		
1.5 ml tubes	general lab supplier		
QIAGEN QIAmp DNA mini Kit	QIAGEN	51306	or equivalent
T4 DNA ligase	New England BioLabs	M0202T	
T4 DNA Ligase Reaction buffer	New England BioLabs	M0202T	
Linker Plus Strand oligonucleotide	general lab supplier		5'-PO ₄ - TAGTCCCTTAAGCGGAG-3' (Purification grade: SDS-PAGE)
Linker Minus Strand oligonucleotide	general lab supplier		5'- GTAATACGACTCACTATAGGGCTCCGCTTA grade: SDS-PAGE)
Tru9I	Roche-Sigma-Aldrich	11464825001	
SuRE/Cut Buffer M	Roche-Sigma-Aldrich	11417983001	
PstI	Roche-Sigma-Aldrich	10798991001	
SuRE/Cut Buffer H	Roche-Sigma-Aldrich	11417991001	
Platinum Taq DNA Polymerase High Fidelity	Invitrogen	11304011	
10 mM dNTP Mix	Invitrogen	18427013	or equivalent
PCR grade water	general lab supplier		
96-well thermal cycler (with heated lid)	general lab supplier		
linker primer	general lab supplier		5'- GTAATACGACTCACTATAGGGC-3' (Purificati grade: PCR grade)
MLV-3' LTR primer	general lab supplier		5'- GACTTGTGGTCTCGCTGTTCTTGG-3' (Pur grade: PCR grade)
linker nested primer 454	general lab supplier		5'- GCCTTGCCAGCCCGCTCAG[AGGGCTCCG (Purification grade: SDS-PAGE)
MLV-3' LTR nested primer 454	general lab supplier		5'- GCCTCCCTCGCGCCATCAGTAGC[GGTCTC (Purification grade: SDS-PAGE)

linker nested primer Illumina	general lab supplier		5'-TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG [AGGGCTCCGCTTAAGGGAC] (Purification grade: SDS-PAGE)
MLV-3' LTR nested primer Illumina	general lab supplier		5'-GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG [GGTCTCCTCTGAGTGATTGACTACC] (Purification grade: SDS-PAGE)
Sodium Acetate Solution (3M) pH 5.2	general lab supplier		
Ethanol (absolute) for molecular biology	Sigma-Aldrich	E7023	or equivalent
Topo TA Cloning kit (with pCR2.1-TOPO vector)	Invitrogen	K4500-01	
QIAquick Gel Extraction kit	QIAGEN	28704	
Agarose	Sigma-Aldrich	A9539	or equivalent
Ethidium bromide	Sigma-Aldrich	E1510	or equivalent
100 bp DNA ladder	Invitrogen	15628019	or equivalent
6x Loading Buffer	ThermoScientific	R0611	or equivalent
NanoDrop 2000 UV-Vis Spectrophotometer	ThermoScientific	ND-2000	
Nextera XT Index kit	Illumina	FC-131-1001 or FC-131-1002	
2x KAPA HiFi Hot Start Ready Mix	KAPA Biosystems	KK2601	
Dynal magnetic stand for 2 ml tubes	Invitrogen	12321D	or equivalent
Agencourt AMPure XP 60 ml kit	Beckman Coulter Genomics	A63881	
Tris-HCl 10 mM, pH 8.5	general lab supplier		
Agilent 2200 TapeStation system	Agilent Technologies	G2964AA	or equivalent
D1000 ScreenTape	Agilent Technologies	5067-5582	or equivalent
D1000 Reagents	Agilent Technologies	5067-5583	or equivalent
KAPA Library Quantification Kit for Illumina platforms (ABI Prism)	KAPA Biosystems	KK4835	
ABI Prism 7900HT Fast Real-Time PCR System	Applied Biosystems	4329003	
NaOH 1.0 N, molecular biology-grade	general lab supplier		
HT1 (Hybridization Buffer)	Illumina	Provided in the MiSeq Reagent Kit	
MiSeq Reagent Kit v3 (150 cycles)	Illumina	MS-102-3001	
MiSeq System	Illumina	SY-410-1003	
PhiX Control v3	Illumina	FC-110-3001	