

Materials List for:

Measurement of *In Vitro* Integration Activity of HIV-1 Preintegration Complexes

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Materials

Name	Company	Catalog Number	Comments
Fetal Bovine Serum (FBS)	GIBCO/Invitrogen	10437-028	
Heat-inactivated Fetal Bovine Serum (Hi-FBS)	GIBCO/Invitrogen	10438-026	
Dulbecco's modified Eagle's medium (DMEM)	GIBCO/Invitrogen	11995-065	
Roswell Park Memorial Institute (RPMI) 1640 medium	GIBCO/Invitrogen	11875-093	
Phosphate-buffered Saline (PBS) (1x)	GIBCO/Invitrogen	20012-027	
Trypsin-EDTA (0.25%)	GIBCO/Invitrogen	25200-056	
Penicillin-Streptomycin solution (100x)	Cellgro/Mediatech	30-002-CI	
HEK293T cells (293T)	American Type Culture Collection (ATCC)	CRL-3216	
HIV-1 proviral molecular clone pNL4-3	NIH AIDS Research and Reference Reagent Program	114	
PolyFect transfection reagent	Qiagen	301107	
DNase 1	Calbiochem/Merckmillipore	260913	
Sup-T1 cells	American Type Culture Collection (ATCC)	CRL-1942	
HEPES pH 7.2 - 7.5 (ready-to-use solution)	GIBCO/Invitrogen	15630-080	
Potassium chloride (KCl) solution	Sigma-Aldrich	60142	

Magnesium chloride (MgCl ₂) solution	Sigma-Aldrich	M1028	
Dithiothreitol (DTT)	Sigma-Aldrich	43815	
Aprotinin	Sigma-Aldrich	A6106	
Digitonin	Sigma-Aldrich	D141	
RNase A	Invitrogen	12091-021	
Sucrose	Sigma-Aldrich	S0389	
phiX174 Replicative Form 1 DNA	Promega	D1531	
<p><u>PhiX174-F primer:</u> 5'-CGCTTCCATGACGCAGAAGTT-3'</p> <p><u>PhiX174-R primer:</u> 5'-CACTGACCCTCAGCAATCTTA-3'</p>	Invitrogen and/or IDT-DNA		
dNTP mix	Promega	U1515	
Go Taq DNA Polymerase	Promega	M3005	
Qiaquick gel extraction kit	Qiagen	28706	
Ultrapure distilled water	Invitrogen	10977-015	
Tris-EDTA (TE) buffer (100x)	Sigma-Aldrich	T9285	
Sodium Dodecyl Sulphate (SDS)	Sigma-Aldrich	L3771	
Ethylenediamine tetraacetic acid, disodium salt (EDTA) solution, 0.5 M, pH 8.0	Sigma-Aldrich	E7889	
Proteinase K (20 mg/mL ready-to-use solution)	Qiagen	19131	
Phenol (equilibrated with 10 mM Tris HCl, pH 8.0 and 1 mM EDTA)	Sigma-Aldrich	P4557	
Chloroform	Sigma-Aldrich	288306	
Glycogen (5 mg/mL solution)	Ambion/Invitrogen	AM9510	
Sodium acetate (3 M, pH 5.2)	Sigma-Aldrich	S7899	
Ethanol	Sigma-Aldrich	E7023	
<p><u>First round LTR primer:</u> 5'-GTGCGCGCTTCAGCAAG-3'</p>	Invitrogen and/or IDT-DNA	---	

<p>First round phiX174 primer: 5'- CACTGACCCTCAGCAATCTTA-3'</p>			
<p>Second round LTR-R primer: 5'- TCTGGCTAACTAGGGAACCCA-3'</p> <p>Second round LTR-U primer: 5'- CTGACTAAAAGGGTCTGAGG-3'</p> <p>Second round Taqman probe: 5'-6- FAM/ TTAAGCCTCAATAAAGCTTGC CTTGAGTGC/6-TAMRA/-3'</p>	<p>Invitrogen and/or IDT-DNA</p>	<p>---</p>	
<p>iQ Supermix</p>	<p>Bio-Rad</p>	<p>170-8862</p>	