

Materials List for:

Detection of Low Copy Number Integrated Viral DNA Formed by *In Vitro* Hepatitis B Infection

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URL: <https://www.jove.com/video/58202>

DOI: [doi:10.3791/58202](https://doi.org/10.3791/58202)

Materials

Name	Company	Catalog Number	Comments
Dulbecco's PBS	PAA	H15-002	
DMEM medium	Thermo Fisher Scientific	41965	
Fetal bovine serum	PAA	A15-151	Heat-inactivate before use
Penicillin, 10,000 U/mL; Streptomycin 10mg/ml, 100×	PAA	P11-010	
L-glutamine, 200 mM	PAA	M11-004	
Trypsin, 0.5 mg/mL; EDTA, 0.22 mg/mL, 1×	PAA	L11-004	
PEG, MW 8000	Sigma-Aldrich	89510	Stock at 40% w/v in 1xPBS, autoclave before use
DMSO for spectroscopy	Merck	102950	
Tenofovir disoproxil	Sigma-Aldrich	CDS021622	Dissolve in DMSO
Lamivudine	Sigma-Aldrich	L1295	Dissolve in DMSO
NucleoSpin Tissue kit	Macherey Nagel	740952.250	
NanoDrop 2000/2000c Spectrophotometer	Thermo Fisher Scientific	ND-2000	
NcoI-HF	NEB	R3193L	
T4 DNA ligase	NEB	M0202T	
Sodium dodecyl sulfate	Sigma-Aldrich	L3771	
Sodium Chloride	Sigma-Aldrich	433209	
Dextran (35-45 kDa)	Sigma-Aldrich	D1662-10G	
Absolute Ethanol	Sigma-Aldrich	32205-1L-D	
BstHKA1	NEB	R0570L	
SphI-HF	NEB	R3182L	
Amplitaq Gold Taq kit	Thermo Fisher Scientific	4331816	Use for first nest PCR
Silicon sealing Mats for 96-Well PCR Plates	Biorad	2239442	
DNAZap PCR DNA Degradation Solution	Thermo Fisher Scientific	AM9890	
96-well PCR plates	Sigma Aldrich	CLS6509 SIGMA	
96-pin replicator	Thermo Fisher Scientific	250520	
GoTaq Flexi PCR kit	Promega	M8295	Use for second nest PCR, use green buffer for easy loading of agarose gel
Biozym LE Agarose	Biozym	840004	

QIAEX II Gel extraction kit	QIAGEN	20051	
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