

Materials List for:

Measurement of BK-polyomavirus Non-Coding Control Region Driven Transcriptional Activity Via Flow Cytometry

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Materials

Name	Company	Catalog Number	Comments
100 bp ladder	NEB	N3231	Any ladder with a range up to 1 kb can be substituted
2-log ladder	NEB	N0550	Any ladder with a range up to 10 kb can be substituted
Agar-Agar, Kobe I	Carl Roth	5210.3	
Agel-HF	NEB	R3552	
Ampicillin Natriumsalz Cellpure	Carl Roth	HP62.1	
Aqua ad iniectionabilia	Bbraun	2351744	can be substituted by any manufacturer
BD FACSCanto™ II	BD Biosciences		
BD FACSDiva	BD Biosciences		
DAPI	Sigma	10236276001	
DFC450C camera module	Leica		Any camera can be used
DMEM	Gibco	41966-029	can be substituted by any manufacturer
DMIL LED microscope	Leica		Any fluorescence microscope can be used
DNA Blood Mini Kit	Qiagen	51104	can be substituted by any manufacturer
E.coli DH5alpha Competent Cells	Thermo Scientific	18258012	
FBS Superior	MerckMillipore	50615	Any FBS can be used
FlowJo v10.5.3	FlowJo, LLC		Any flow cytometry software FBS can be used
Gel Loading Dye, Purple (6X)	NEB	B7024	Any 6x loading dye can be substituted
HEK293T cells	ATCC	11268	These cells constitutively express the simian virus 40 (SV40) large T antigen, and clone 17 was selected specifically for its high transfectability.
HERAcell® 240i CO2 Incubator	Thermo Scientific		can be substituted by any manufacturer
HotStar PCR kit	Qiagen	203203	
Intas Gel documentation system	Intas		Any visualisation system for stained DNA containing agarose gels can be used

Low Melt Agarose	Biozym	850081	can be substituted by any manufacturer
Opti-MEM	Invitrogen	31985070	can be substituted by any manufacturer
pBKV (34-2)	ATCC	45025	Plasmid harboring the full-length genome of BKPyV strain Dunlop; was used as a positive control; DNA Seq. Acc.: KP412983
PBS	Gibco	14190-136	
PCR Cycler MJ Mini 48-Well Personal Cycler	Bio-Rad	discontinued product	Any thermocycler can be used
PCR Nucleotide Mix, 10 mM	Promega	#C1145	can be substituted by any manufacturer
PCR1 and PCR2 Primers	metabion	not applicable	Desalted. Dilute to (10 µM) with PCR grade water
PenStrep (100x)	Gibco	15140-122	can be substituted by any manufacturer
Roti®-GelStain	Carl Roth	3865	A fluorescence based stain for measuring dsDNA concentration
SpeI-HF	NEB	R3133	
T4-DNA Ligase	NEB	M0202	
TransIT LT1	Mirus	MIR2300	
Trypsin 0.05% - EDTA	Gibco	25300-054	can be substituted by any manufacturer
ZymoPURE II Plasmid Kit	Zymo	D4201	can be substituted by any manufacturer