

Materials List for:

A Simple, Rapid, and Quantitative Assay to Measure Repair of DNA-protein Crosslinks on Plasmids Transfected into Mammalian Cells

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Materials

Name	Company	Catalog Number	Comments
8-oxoguanine modified oligo	Midland Certified Reagent Company	NA	Sequence: 5'AGGGTTTTCCA (8-oxo-dG)TCACGACGTT 3'
T4 PNK	NEB	M0201S	
Single-stranded M13	NEB	N4040S	
Taq polymerase	NEB	M0267L	
ATP, 100mM	Thermo Scientific	R0441	
dNTP Mix, 10mM each	Thermo Scientific	R0192	
BSA	NEB	B9001S	
T4 polymerase	NEB	M0203L	
T4 ligase	NEB	M0202L	
β-agarase	NEB	M0392S	
Oxoguanine glycosylase 1	NEB	M0241S	
SYBR Green PCR Master Mix	Applied Biosystems	4309155	green PCR master mix
Primer R	UMN Genomic Center	NA	5'CGGCTCGTATGTTGTGTG 3'
Primer L	UMN Genomic Center	NA	5' GCTGCAAGGCGATTAAGT 3'
Lipofectamine Reagent	Invitrogen	18324-012	transfection reagent
BspD1	NEB	R0557S	
NEB buffer 2	NEB	B7002S	
StepOnePlus Real Time PCR System	Applied Biosystems	4376600	
UltraPure Buffer-Saturated Phenol	Invitrogen	15513-047	
Chloroform, reagent ACS, spectro grade	ACROS	40463-5000	