

Materials List for

Analysis of Nonhomologous End Joining and Homologous Recombination Efficiency in HEK-293T Cells using GFP Based Reporter Systems

Lu-Ping Zhang¹, Yong-Hong Nie¹, Tuo Tang¹, Ai-Xue Zheng¹, Xian Hong¹, Tao Wang¹

¹Laboratory of Protein Structure and Function, Institute of Medicine and Pharmacy, Qiqihar Medical University

Corresponding Author

Tao Wang

wangtao@qmu.edu.cn

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jove.com/video/66501

Materials

Name	Company	Catalog Number	Comments
6 cm dishes	BBI	F611202-9001	
6 well plates	Corning	3516	
Ampicillin	Beyotime	ST007	Working concentration: 100 µg/mL
DH5α Competent Cells	TIANGEN	CB101	
DMEM	Hyclone	SH30022.01	
DR-GFP	Addgene	26475	
EJ5-GFP	Addgene	44026	
EndoFree Maxi Plasmid kit	TIANGEN	DP117	alternative endotoxin-free plasmid extraction kit can be used
FACS tubes	FALCON	352054	
Fetal bovine serum	CLARK	FB25015	
Flow cytometer	BD Biosciences	BD FACSCalibur	
FlowJo V.10.1	Treestar		alternative analysis software can be used
HEK-293T cells	National Infrastructure of Cell Line Resource	1101HUM-PUMC000091	
Lipo3000	Invitrogen	L3000015	alternative transfection reagents can be used
PBS	Biosharp	BL601A	
pCBAScel	Addgene	26477	I-SceI expressing plasmid
PCI2-HA-mCherry			alternative plasmids containing DsRed can be used
Trypsin	Gibco	25200-056	