

Materials List for:

Identification of Homologous Recombination Events in Mouse Embryonic Stem Cells Using Southern Blotting and Polymerase Chain Reaction

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URL: <https://www.jove.com/video/58467>

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Materials

Name	Company	Catalog Number	Comments
BAC CLONE	BACPAC Resources Center (BPRC)	bMQ-330E21	
QIAGEN Large-Construct Kit	QIAGEN	12462	
QIAquick Gel Extraction Kit	QIAGEN	28704	
QIAquick PCR Purification Kit	QIAGEN	28104	
QIAprep Spin Miniprep Kit	QIAGEN	27104	
QIAGEN Plasmid Plus Maxi Kit	QIAGEN	12963	
PfuUltra High-Fidelity DNA Polymerase	Agilent	600382	
T-easy vector	Promega	A1360	
Nuclei Lysis Solution	Promega	A7941	
Protein Precipitation Solution	Promega	A7951	
DNA Denaturing Solution	VWR	351-013-131	
DNA Neutralizing Solution	VWR	351-014-131	
Ready-To-Go DNA Labeling Beads (-dCTP)	VWR	27-9240-01	
UltraPure SSC, 20x	Thermo Fisher	15557036	
UltraPur Phenol:Chloroform:Isoamyl Alcohol (25:24:1, v/v)	Thermo Fisher	15593031	
G418	Thermo Fisher	10131035	
Salmon Sperm DNA Solution	Thermo Fisher	15632011	
Platinu Taq DNA Polymerase High Fidelity	Thermo Fisher	11304029	
Not I	Thermo Scientific	ER0592	
Dra I	Thermo Scientific	ER0221	
EcoR I	Thermo Scientific	ER0271	
Ganciclovir	Sigma	G2536	
Whatman TurboBlotter Transfer System, Large Kits	Fisher Scientific	09-301-188	
[α - ³² P]dCTP	PerkinElmer	NEG013H100UC	

ProbeQuan G-50 Micro Columns	GE Healthcare	28-9034-08	
Hybrisol I Hybridization Solution	Millipore	S4040	
Kodak X-Ray Film	Z&Z Medical	844 5702	