

Materials List for:

# Linear Amplification Mediated PCR – Localization of Genetic Elements and Characterization of Unknown Flanking DNA

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## Materials

Name	Company	Catalog Number	Comments
Taq DNA Polymerase	Genaxxon Bioscience GmbH	M3001.5000	Alternative Taq Polymerases may be used
PCR Buffer	Qiagen	201203	Use of this buffer is recommended
dNTP-Mixture	Genaxxon Bioscience GmbH	M3015.4020	or any other dNTPs
Oligonucleotides (Primers)	MWG Biotech		HPLC purified
Dynabeads M-280 Streptavidin	Invitrogen	11206D	
PBS	Gibco	14190-086	0.1% wt/vol BSA
6 M LiCl	Roth	3739.1	10 mM Tris-HCl (pH 7.5)/1 mM EDTA
Tris-HCl, pH 7.5	USB Corporation	22637	or any other supplier
EDTA	Applchem	A1103,0250	or any other supplier
Klenow Polymerase	Roche Diagnostics	10104523001	
Hexanucleotide mixture	Roche Diagnostics	11277081001	
Restriction endonuclease	NEB		or any other supplier
Fast-Link DNA ligation kit	Epicentre Biotechnologies	LK11025	
CirLigase ssDNA Ligase Kit	Epicentre Biotechnologies	CL4111K	
NaOH	Sigma-Aldrich	72068	or any other supplier
Agarose LE	Roche Diagnostics	11685660001	or any other supplier
TBE buffer	Amresco	0658	or any other supplier
Ethidium bromide	Applchem	A2273,0005	Ethidium bromide is mutagenic
100 bp DNA Ladder	Invitrogen	15628-050	or any other DNA ladder
20 mM NaCl	Sigma-Aldrich	71393-1L	or any other supplier
Magna-Sep Magnetic Particle Separator	Life Technologies	K158501	for use with 1.5 ml Tubes
Magna-Sep Magnetic Particle Separator	Life Technologies	K158696	for use with 96-well plates
Amicon Ultra-0.5, Ultracel-30 membrane	Millipore	UFC503096	
PerfectBlue Gelsystem Midi S	PeqLab	40-1515	or other electrophoresis system
TProfessional 96	Biometra	050-551	or other Thermocycler for 96-well plates
Orbital shaker KS 260 basic	IKA	2980200	or other horizontal shaker
PCR softtubes 0.2 ml	Biozym Scientific GmbH	711082	or other 0.2 ml PCR tubes
1.5 ml tubes	Eppendorf	12682	or other 1.5 ml tubes
Gel documentation system	PeqLab		or any other gel documentation system

Nanodrop ND-1000 spectrophotometer	Thermo Scientific	ND-1000	
Spreadex EL1200 precast gel	Elchrom Scientific	3497	
Submerged gel electrophoresis apparatus SEA 2000	Elchrom Scientific	2001E	
2100 Electrophoresis Bioanalyzer	Agilent Technologies	G2939AA	