

Materials List for:

Modified Terminal Restriction Fragment Analysis for Quantifying Telomere Length Using In-gel Hybridization

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Materials

Name	Company	Catalog Number	Comments
Biologics			
Rsa1, restriction enzyme	New England Biolabs, Inc	R0167S	10,000 U/mL, DNA digestion. Comes with Cutsmart Buffer (digestion buffer)
Hinf1, restriction enzyme	New England Biolabs, Inc	R0155S	10,000 U/mL, DNA digestion. Comes with Cutsmart Buffer (digestion buffer)
Seakem GTG Agarose	Lonza	50071	electrophoresis grade agarose
Optikase	affymetrix	78334X 500 UN	T4 Polynucleotide Kinase
SYBR Green Nucleic Acid Stain I	ThermoFisher Scientific	S7567	Syber Green
exactGene DNA Ladder 24- kB	Fisher Scientific	BP2580100	
C-Strand Probe (3'-(G3AT2)4-'5)	Integrated DNA Technologies		Custom ordered DNA oligonucleotide
Gamma-ATP-P32	Perkin Elmer	BLU502Z	Radioisotope
Qiagen Blood and Cell Culture DNA Mini Kit	Qiagen	13323	DNA extraction kit
GE Illustra Microspin G-25 column	GE Healthcare Life Sciences	27-5325-01	For purification of readioactive oligo probe
Ficoll 400			non-ionic synthetic polymer
Equipment/Software			
Owl A5 Gel electrophoresis system (20 cm x 25 cm)	ThermoFisher Scientific	A5	Gel electrophoresis
Horizon 11.4 Gel electrophoresis system (11 cm x 14 cm)	Corel Life Sciences	11068020	Gel electrophoresis
Nylon mesh, 50, 12" x 12"	Ted Pella, Inc	41-12105	
GE Storage Phosphor Screens	GE Healthcare Life Sciences	28-9564-75	
Phosphor Screen Exposure Cassette	GE Healthcare Life Sciences	63-0035-44	
Isotemp Hybridization Incubator	Fisher Scientific	13-247-20Q	
Cylindrical hybridization tubes	Fisher Scientific	13-247-300	
The Belly Dancer orbital shaker	Sigma-aldrich	Z768499-1EA	Orbital shaker
Typhoon 9400	ABI		For imaging of gels and phosphor screens
GraphPad Prism 6	GraphPad	Version 6.05	Graphing Program
Microsoft Excel	Microsoft	Office 365	Spreadsheet program

Nanodrop	Thermo Scientific	Nanodrp 2000	Spectrophotometer
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