

Materials List for:

Immunoglobulin Gene Sequence Analysis In Chronic Lymphocytic Leukemia: From Patient Material To Sequence Interpretation

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Materials

Name	Company	Catalog Number	Comments
BD Vacutainer Plastic Blood Collection Tubes with K2EDTA: Tube Stopper	ThermoFisher scientific	02-689-4	material storage
BD Vacutainer CPT Mononuclear Cell Preparation Tube - Sodium Heparin	Becton Dickinson	362753	material storage
BD Vacutainer Heparin Blood Collection Tubes FAQ	Daigger Scientific	366480	material storage
UltraPure 0.5 M EDTA pH 8.0	Invitrogen	15575038	cell processing
Centrifuge tubes 15 mL CS500	Corning	352096	cell processing
Centrifuge tubes PP 50 mL CS500	Corning	352070	cell processing
RPMI Medium 1640 (1X) liquid	Invitrogen	21875-091	cell processing
Ficoll-Paque PLUS, 6 x 100 mL	STEMCELL Technologies	17-1440-02	cell processing
Serological pipettes 5 mL	Sarstedt	861,253,001	cell processing
Serological pipettes 10 mL	Sarstedt	861,254,001	cell processing
Serological pipettes 25 mL	Sarstedt	861,685,001	cell processing
Dulbecco's Phosphate-Buffered Saline (D-PBS) (1X)	Invitrogen	14190250	cell processing
Neubauer plate	Marienfeld-Superior	640010	cell processing
Tuerk solution	Sigma-Aldrich	93770	cell processing
PureLink Genomic DNA Mini Kit	Invitrogen	K1820-01	DNA extraction
QIAamp RNA Blood Mini Kit	Qiagen	52304	RNA extraction
AllPrep DNA/RNA Mini Kit	Qiagen	80204	DNA/RNA extraction
5X first-strand buffer	Invitrogen	P/N Y02321	cDNA synthesis
Random Primers, 20 µg	Promega	C1181	cDNA synthesis
RNaseOUT®; Recombinant Ribonuclease Inhibitor	Invitrogen	10777019	cDNA synthesis
DTT	Invitrogen	P/N Y00147	cDNA synthesis

SuperScript II Reverse Transcriptase	Invitrogen	18064-014	cDNA synthesis
10 mM dNTP Mix	Invitrogen	18427013	cDNA synthesis, PCR
PCR Buffer	Invitrogen	O00065	PCR
MgCl ₂ (magnesium chloride) (25 mM)	ThermoFisher scientific	AB0359	PCR
Taq DNA Polymerase, recombinant	Invitrogen	10342-020	PCR
Applied Biosystems 5' Labeled Primers	ThermoFisher scientific	-	PCR/Clonality assessment
Agilent High Sensitivity DNA Kit	Agilent Technologies	5067-4626	PCR product quantification
UltraPure TBE Buffer, 10X	ThermoFisher scientific	15581044	gel electrophoresis
UltraPure Ethidium Bromide, 10 mg/mL	ThermoFisher scientific	15585011	gel electrophoresis
SYBR Safe DNA Gel Stain	ThermoFisher scientific	S33102	gel electrophoresis
10X BlueJuice Gel Loading Buffer	Invitrogen	16500100	gel electrophoresis
DNA Ladder 1000 bp/1 kb ladder BLUE ready-to-use	Geneon	305-105	gel electrophoresis
UltraPure Agarose	ThermoFisher scientific	16500500	gel electrophoresis
Agarose low gelling temperature	Sigma-Aldrich	A9414-250G	gel electrophoresis
Novex TBE Gels, 10%, 10 well	ThermoFisher scientific	EC6275BOX	gel electrophoresis
ExoSAP-IT PCR Product Cleanup Reagent	ThermoFisher scientific	78201.1.mL	PCR product clean-up
QIAquick Gel Extraction Kit (50)	Qiagen	28704	PCR product clean-up
GenomeLab DTCS Quick Start Kit	Beckman Coulter	608120	Sanger sequencing
Sodium Acetate Solution (3 M), pH 5.2	ThermoFisher scientific	R1181	Sanger sequencing
Glycogen, molecular biology grade	ThermoFisher scientific	R0561	Sanger sequencing
Ethanol absolute	EMD Millipore	1024282500	Sanger sequencing
SafeSeal tube 1.5 mL	Sarstedt	72,706	general use
Multiply-Pro cup 0.2 mL, PP	Sarstedt	72,737,002	general use
Centrifuge			equipment
PCR machine			equipment
Bioanalyzer	Agilent Technologies		equipment