

Materials List for

Genetic Variant Detection in the *CALR* gene using High Resolution Melting Analysis

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jove.com/video/61642

Materials

Name	Company	Catalog Number	Comments
E-Gel EX 4% Agarose	Invitrogen, Thermo Fischer Scientific	G401004	
Fuorometer 3.0 QUBIT	Invitrogen, Thermo Fischer Scientific	Q33216	
Invitrogen E-Gel iBase and E-Gel Safe Imager Combo Kit	Invitrogen, Thermo Fischer Scientific	G6465EU	
MeltDoctor HRM MasterMix 2X	Applied Biosystem, Thermo Fischer Scientific	4415440	Components: AmpliTaqGold 360 DNA Polymerase, MeltDoctor trade HRM dye, dNTP blend including dUTP, Magnesium salts and other buffer components, precisely formulated to obtain optimal HRM results
MicroAmp Fast 96-well Reaction Plate (0.1 mL)	Applied Biosystems, Thermo Fischer Scientific	4346907	
MicroAmp Optical adhesive film	Applied Biosystems, Thermo Fischer Scientific	4311971	
NuGenius	Syngene	NG-1045	Gel documentation systems
Primer CALRex9 Forward	Eurofins Genomics		Sequence: 5'GGCAAGGCCCTGAGGTGT'3 (High-Purity, Salt-Free)
Primer CALRex9 Reverse	Eurofins Genomics		Sequence: 5'GGCCTCAGTCCAGCCCTG'3 (High-Purity, Salt-Free)
QIAamp DNA Mini Kit	QIAGEN	51306	DNA isolation kit with the buffer for DNA dilution.
Qubit Assay Tubes	Invitrogen, Thermo Fischer Scientific	Q32856	
QUBIT dsDNA HS assay	Invitrogen, Thermo Fischer Scientific	Q32854	
Trackit 100bp DNA Ladder	Invitrogen, Thermo Fischer Scientific	10488058	Ladder consists of 13 individual fragments with the reference bands at 2000, 1500, and 600 bp.
ViiA7 Real-Time PCR System	Applied Biosystems, Thermo Fischer Scientific	4453534	

Water nuclease free	VWR, Life Science	436912C	RNase, DNase and Protease free water
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