

Materials List for:

Digital Polymerase Chain Reaction Assay for the Genetic Variation in a Sporadic Familial Adenomatous Polyposis Patient Using the Chip-in-a-tube Format

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Materials

Name	Company	Catalog Number	Comments
QIAamp DNA Blood Maxi Kit	Qiagen	51194	Before Protocol 1: Extraction of genomic DNA
NanoDrop 1000	ThermoFisher SCIENTIFIC	ND-8000	Before Protocol 1: Spectrophotometer
8-strip tube	Agilent Technologies	401428	Protocol 1
Genomic DNA sample buffer	Agilent Technologies	5067-5366	Protocol 1: A component of Genomic DNA Screen Tape Assay
DNA ladder	Agilent Technologies	5067-5366	Protocol 1: A component of Genomic DNA Screen Tape Assay
MS3 Basic Small Shaker	IKA	3617000	Protocol 1: Vortex mixer
Genomic DNA ScreenTape	Agilent Technologies	5067-5365	Protocol 1: Gel device
2200 TapeStation system	Agilent Technologies	G2965AA	Protocol 1: Electrophoresis instrument
TapeStation Analysis Software	Agilent Technologies	Bundled with G2965AA	Protocol 1: Analysis software
DNA oligo primers	IDT	Custom order	Protocol 2
LNA probes	IDT	Custom order	Protocol 2
Software tool	IDT	Web site: http://biophysics.idtdna.com/	Protocol 2
dbSNP database	NCBI	Web site: https://www.ncbi.nlm.nih.gov/projects/SNP/	Protocol 2
TE buffer	ThermoFisher SCIENTIFIC	12090015	Protocol 3
DNase/RNase-Free Distilled Water	ThermoFisher SCIENTIFIC	10977015	Protocol 3 (Table 1)
Clarity Digital PCR Probe Mastermix	JN Medsys	12013	Protocol 3 (Table 1): 2xPCR Master Mix A component of #10011
Clarity Sealing Fluid	JN Medsys	12005	Protocol 3: Sealing fluid A component of #10011
Clarity JN Solution	JN Medsys	12006	Protocol 3 (Table 1): 20xPCR solution A component of #10011
Clarity Tube-strip	JN Medsys	12007	Protocol 3: Chip-in-a-tube A component of #10011
Clarity Sample Loading Kit	JN Medsys	12008	Protocol 3: Loading platform and slider A component of #10011
Clarity Auto Loader	JN Medsys	11002	Protocol 3: Auto loader

			A component of #10001
Clarity Sealing Enhancer	JN Medsys	11003	Protocol 3: Sealing enhancer A component of #10001
Clarity Reader	JN Medsys	11004	Protocol 3: Reader A component of #10001
Life Eco Thermal Cycler	Bioer Technology	TC-96GHbC	Protocol 3: Thermal cycler
Clarity Software	JN Medsys	Bundled with #10001	Protocol 3: Analysis software
High Sensitivity D1000 screen tape	Agilent Technologies	5067-5584	Protocol 4: Gel device for high sensitivity