

Materials List for:

# Detection and Monitoring of Tumor Associated Circulating DNA in Patient Biofluids

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## Materials

Name	Company	Catalog Number	Comments
10 mM Tris-HCl, 0.1 mM EDTA DNA Suspension Buffer (pH 8.0)	Teknova	T0227	
BD Vacutainer K2-EDTA 7.2 mg Blood Collection Tubes (10 mL)	Becton Dickinson Diagnostics	367525	For plasma collection
BD Vacutainer Plastic Serum tube with Red BD Hemogard Closure (10 mL)	Becton Dickinson Diagnostics	367895	For serum collection
Bleach	General Lab Supplier		
Buffer ATL	Qiagen	19076	
Cell-Free DNA Blood Collection Tubes	Streck	218961	cfDNA blood collection tubes (optional)
CentriVap Concentrator	Labconco	7810010	
Forward Primer	Integrated DNA Technologies, Inc.		Custom design
MiniAmp Thermal Cycler	ThermoFisher Scientific	A37834	
Molecular Biology Grade Absolute Ethanol (200 proof)	General Lab Supplier		
Mutant Probe	Integrated DNA Technologies, Inc.		Custom design
PAXgene Blood ccfDNA tubes	PreAnalytiX	768115	cfDNA blood collection tubes (optional)
PCR 8 well strip tube caps	VWR	10011-786	
PCR 8 well strip tubes	Axygen	PCR-0208-C	
Pipette (p20, p200, p1000)	General Lab Supplier		
Pipette filter tips (p20, p200, p1000)	General Lab Supplier		
Q5 Hot Start High-Fidelity 2x Master Mix	New England Biolabs Inc	M0494S	
QIAamp Circulating Nucleic Acid HandBook	Qiagen		cfDNA extraction kit handbook (2013 edition)
QIAamp Circulating Nucleic Acid Kit	Qiagen	55114	cfDNA extraction kit (Protocol Step 4)
QIAamp MinElute Virus Spin Kit	Qiagen	57704	Optional kit for DNA extraction from small (< or =200 µL) sample volumes
Qiavac 24 Plus	Qiagen	19413	For use with QIAamp Circulating Nucleic Acids kit

Raindance Consumable Kit	Bio-Rad	20-04411	Contains droplet-generating instrument chips, quantification instrument chips, PCR strip caps including high-speed caps, and droplet stabilizing oil
Raindance Sense Instrument	Bio-Rad		Quantification instrument (used in Protocol Step 9)
Raindance Source Instrument	Bio-Rad		Droplet-generating instrument (used in Protocol Step 9)
RainDrop Analyst II Software	RainDance Technologies		Analyst software used for Data Analysis (Protocol Step 10)
Refrigerated Vapor Trap	Savant	RVT5105-115	
Reverse Primer	Integrated DNA Technologies, Inc.		Custom design
Smartblock 2 mL	Eppendorf	05 412 506	
TaqMan Genotyping Master Mix	Thermofisher Scientific	4371353	
Thermomixer C	Eppendorf	14 285 562PM	
WT Probe	Integrated DNA Technologies, Inc.		Custom design