

Materials List for:

# MicroRNA Based Liquid Biopsy: The Experience of the Plasma miRNA Signature Classifier (MSC) for Lung Cancer Screening

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URL: <https://www.jove.com/video/56326>

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## Materials

Name	Company	Catalog Number	Comments
1x PBS	Lonza	BE-17-516	
20xTE Buffer, pH 8.0	Molecular probe	T11493	Dilute the 20X stock solution to have the final concentration of 0,1X in Nuclease-free water
Nuclease-free water			
Maxwell RSC miRNA Tissue Kit	Promega	AS1460	The kit contains Homogenization Solution, DNase I, Proteinase K, Lysis Buffer and cartridges. For 1-Thioglycerol, inhalation and contact with skin and eyes should be avoided. Use it under a Fume Cabinet.
TaqMan MicroRNA Reverse Transcription Kit	Thermo Fisher	4366596	
Custom TaqMan RT Primer Pool	Thermo Fisher	4459649	
TaqMan PreAmp Master Mix 2X	Thermo Fisher	4391128	
Custom TaqMan PreAmp pool	Thermo Fisher	4459657	
TaqMan Universal Master Mix II, No UNG 2x	Thermo Fisher	4440048	
Custom TaqMan Array MicroRNA Cards	Thermo Fisher	4449137	Bring the Custom TaqMan Array MicroRNA Cards to room temperature before to load samples
Vacutainer Safety-Lock Blood Collection Set	Becton Dickinson	367286-364815	
Vacutainer plastic spray-coated K <sub>2</sub> EDTA tube.	Becton Dickinson	366643	Lavender BD Hemogard closure
Cuvette PS semi-micro	VWR/PBI	643-0326	Light path 10 mm
NanoDrop 2000c UV-VIS Spectrophotometer	Thermo Fisher		
Cryogenic vials 1.5 ml	Sigma-Aldrich	Z359033	
Centrifuge 5810R	Eppendorf		Bring the centrifuge to 4 °C before starting plasma collection
Heraeus Multifuge 3S+ Centrifuge	Thermo Fisher	D-37520	
Vortex Mixer	Velp Scientifica	F202A0173	
ThermoMixer T- shaker	Euroclone	A00564	Bring the Thermo Mixer to 37 °C before starting RNA extraction
Maxwell RSC Instrument	Promega	AS4500	

GeneAmp PCR System 9700 thermo-cycler	Thermo Fisher		
ViiA 7 Real-Time PCR System	Thermo Fisher		
ViiA 7 RUO software	Thermo Fisher		
Arrey Card Staker/Sealer	Thermo Fisher	4331770	