

Supplementary Materials: Circulating Cell-Free DNA and RNA Analysis as Liquid Biopsy: Optimal Centrifugation Protocol

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Table S1. Statistical analysis of total cfDNA.

cfDNA	EDTA						Streck					
	CP	AdBasic_P	AdBasic	Plat	CEN	AdCEN	CP	AdBasic_P	AdBasic	Plat	Streck	AdCEN
Copies/mL	Basic	0.956	0.001	0.000123	0.000311	0.000222	Basic	0.168	0.001	0.001	0.002	0.002
	AdBasic_P		0.000278	0.00006	0.000139	0.000097	AdBasic_P		0.383	0.291	0.491	0.358
	AdBasic			0.715	0.651	0.930	AdBasic			0.312	0.679	0.818
	Plat				0.599	0.559	Plat				0.550	0.635
	CEN					0.965	Streck					0.836
Cp <i>LINE-1</i>	Basic	0.474	0.004	0.002	0.003	0.003	Basic	0.012	0.043	0.013	0.28	0.27
	AdBasic_P		0.016	0.016	0.019	0.026	AdBasic_P		0.108	0.098	0.043	0.031
	AdBasic			0.849	0.827	0.965	AdBasic			0.435	0.251	0.312
	Plat				0.77	0.715	Plat				0.085	0.081
	CEN					0.977	Streck					0.963
% long fragments	Basic	0.000164	0.000002	1.36E-07	1.36E-07	1.36E-07	Basic	0.000127	0.024	0.004	0.001	0.000338
	AdBasic_P		1.13E-07	9.59E-08	9.59E-08	9.59E-08	AdBasic_P		0.000008	0.000006	0.000006	0.000006
	AdBasic			0.003	0.00011	0.00011	AdBasic			0.358	0.035	0.031
	Plat				0.358	0.35	Plat				0.215	0.154
	CEN					0.827	Streck					0.748

CP: centrifugation protocol; numbers in bold: statistically significant ($p < 0.05$).

Table S2. cfDNA integrity of EDTA vs Streck tubes.

CP	Basic	AdBasic_P	AdBasic	Plat	AdCEN
EDTA vs Streck	0.001	0.085	0.002	0.003	0.011

CP: centrifugation protocol; numbers in bold: statistically significant ($p < 0.05$).

Table S3. Statistical analysis of total cfRNA in EDTA tubes.

	CP	AdBasic_P	AdBasic	Plat	Plat_P	CEN	AdCEN
cfRNA (copies/mL)	Basic	0.001	0.005	0.000387	0.006	0.000012	0.000012
	AdBasic_P		0.333	0.972	0.000001	0.012	0.014
	AdBasic			0.361	0.000002	0.006	0.004
	Plat				0.000001	0.000437	0.001
	Plat_P					6.38E-07	6.39E-07
	CEN						0.843

CP: centrifugation protocol; numbers in bold: statistically significant ($p < 0.05$).