

**New Product** ★★★★★

# RNA Fusion Controls

We build custom RNA fusion controls for molecular testing in purified RNA or FFPE



## ➤ 56 Fusions by Cancer Type

Cancer Type	Associated Fusions					
Non-Small Cell Lung Cancer (NSCLC)	EML4-ALK (v1,2,3)	CD74-ROS1	EZR-ROS1	PPFIBP1-ROS1	SLC34A2-ROS1	SDC4-ROS1
	MET Exon 14 skippi	TPM3-NTRK1	TFG-NTRK1	LMNA-NTRK1	BCR-NTRK2	QKI-NTRK2
	KIF5B-RET	CCDC6-RET	NCOA4-RET	EGFR-SEPT14	EGFR variant III	NPM1-ALK
Thyroid Cancer	CCDC6-RET	NCOA4-RET	PAX8-PPARG1	ETV6-NTRK3	PRCC-TFE3	PRKAR1A-RET
Soft Tissue Sarcomas	SS18-SSX1	SS18-SSX2	COL1A1-PDGFB	EWSR1-ATF1	EWSR1-FLI1	
Breast Cancer	ETV6-NTRK3	BCR-NTRK2				
Prostate Cancer	TMPRSS2-ERG	TMPRSS2-ETV1	SLC45A3-ERG	SLC45A3-BRAF		
Melanoma	EWSR1-ATF1					
Infantile Fibrosarcoma	ETV6-NTRK3	BCR-NTRK2	QKI-NTRK2			
Cholangiocarcinoma	FGFR2-BICC1	FGFR2-PPHLN1	FGFR2-AHCYL1			
Hematologic Malignancies	BCR-ABL1	ETV6-ABL1	RUNX1-RUNX1T1	KAT6A-CREBBP	FIP1L1-PDGFRA	
	TCF3-PBX1	NPM1-ALK	PCM1-JAK2			
Other Solid Tumors	FGFR3-TACC3	PRKAR1A-RET	ETV6-NTRK3	TPM3-NTRK1	TFG-NTRK1	LMNA-NTRK1

➤ 8 multiplexed panels cover 52 of the fusions.

➤ Custom Cellular mRNA Fusions Available



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OUR PRODUCT ★★★★★

# DNA-DEPLETED EDTA PLASMA

Human plasma is a complex matrix. Finding a variant DNA in plasma is like finding a needle in a haystack. It is therefore critical to validate the sensitivity and specificity of your detection system. With our DNA-depleted human plasma or serum as a matrix, you can build your own reference materials specific to your time-sensitive needs while still retaining the natural components of the sample.



Product Name	Cat. No.	Size
DD Plasma (DNA-Depleted Plasma)	60601001	50, 200, 500, 1000 ml

## DNA-depleted Plasma is the Best Human Plasma Base Matrix for an Extraction Process Control

DNA-depleted plasma matrix is an ideal representation of a real patient sample since all the natural, interfering molecules are **retained**. It makes the spiked ctDNAs more “patient-like” in process validation and quality control.

Equal amounts of ctDNA fragments were serially spiked into four matrices: TE Buffer (blue), Synthetic Plasma (brown), Patient Plasma (green) and DNA-depleted plasma (red). The spiked ctDNAs were extracted from the four matrices side by side. The extracted ctDNA was quantitated by qPCR and was plotted against the spiked in Graph 1.0 (right).

### SPECIFICATIONS

DNA: < 20 pg/ml  
 Total protein: 5-7 g/dL  
 Immunoglobulins G: 500-1700 mg/dL  
 Immunoglobulin A: 90-400 mg/dL  
 Immunoglobulin M: 20-172 mg/dL  
 Cholesterol, Total: 50-199 mg/dL  
 Triglycerides: 50-149 mg/dL  
 HDL Cholesterol: > 20 mg/dL  
 VLDL Cholesterol: 10-40 mg/dL  
 LDL Cholesterol: 20-99 mg/dL  
 Exosome count: > 3E9 count/ml  
 pH: 7.2-7.6  
 Negative for HIV, HBV, HCV, HTLV and Syphilis.

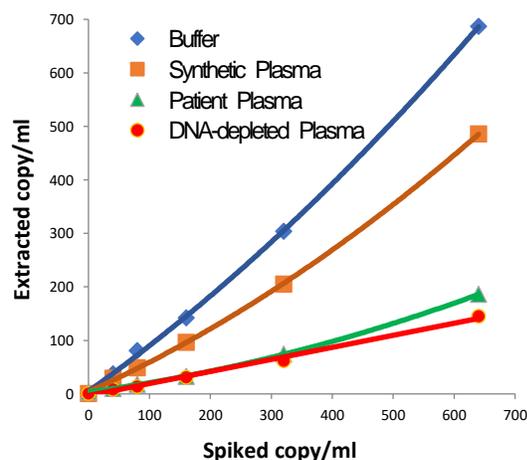


Fig 1 Matrix Effect of ctDNA Extraction


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