

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	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.

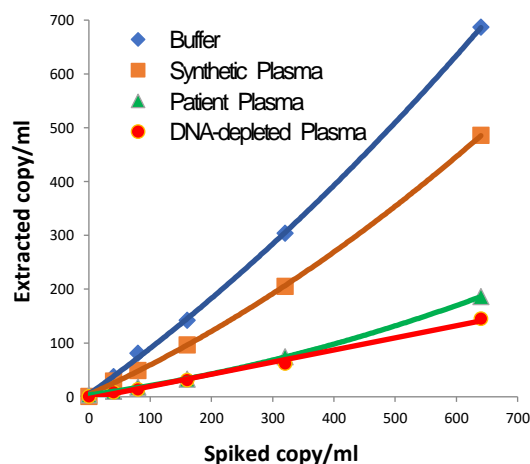


Fig 1 Matrix Effect of ctDNA Extraction



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