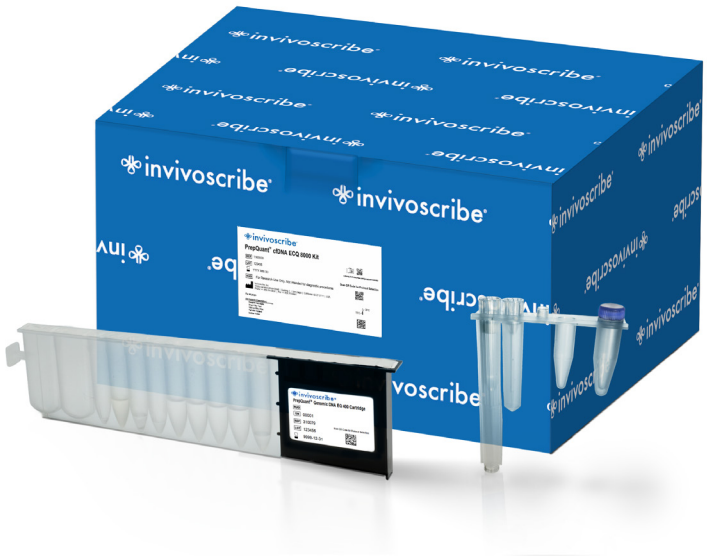
PrepQuant™ cfDNA ECQ 8000 Kit

Automated solution for nucleic acid extraction, concentration and quantification

Designed for high-performance workflows, such as measurable residual disease (MRD) testing, the PrepQuant cfDNA ECQ 8000 Kit is specifically designed for use with the PrepQuant System. The PrepQuant cfDNA ECQ 8000 Kits extract, concentrate and quantify cell free DNA (cfDNA) from up to 8 mL of plasma for a wide range of molecular applications.

The kit features room temperature prefilled, barcoded reagent cartridges that eliminate manual reagent preparation and reduce hands-on time.

Using advanced magnetic bead-based technology, the system automates the complete sample preparation process, including lysis, DNA binding, washing, elution, concentration, and quantification. This ensures consistent yields, high purity, and reproducible results from all your samples.

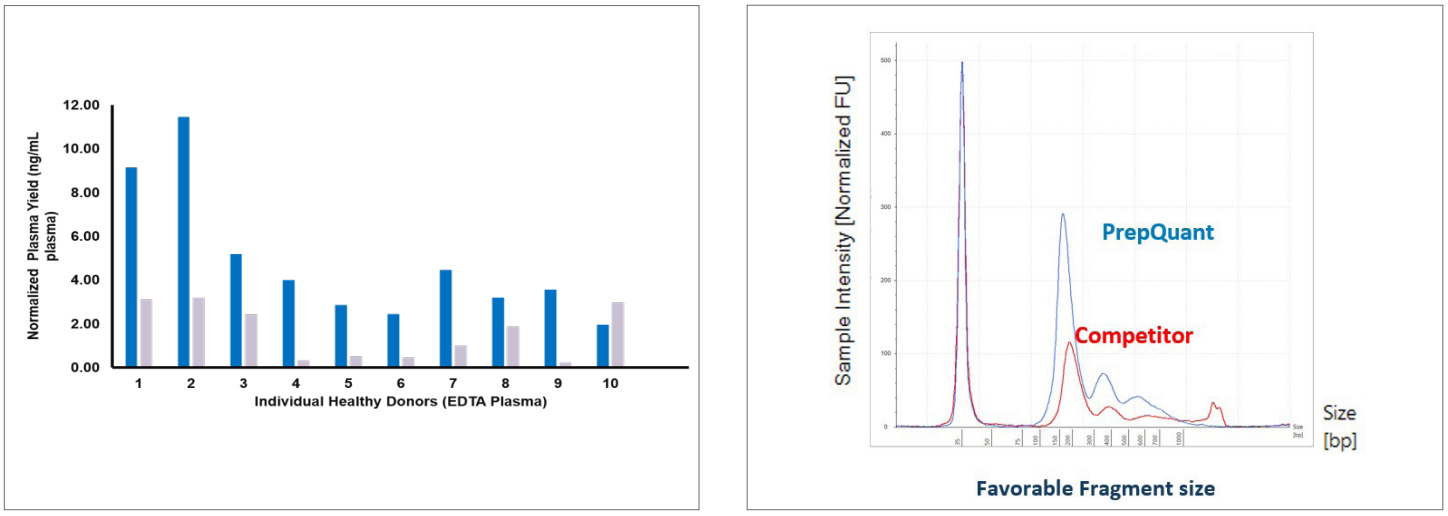


Features	Specifications
Specimen Type	Up to 8 mL of Plasma
Elution Volume	40 µL
Concentration Range*	0-20 ng/µL
Yield Range*	0-800 ng
Reagent Type	Pre-filled Cartridges
Extraction and Concentration Technology	Magnetic Bead-based
Quantification Technology	Fluorescence-based
Sample Throughput	1 – 24
Processing Time	2.5 hours
Storage Conditions	Room Temperature

* The concentration range represents the validated DNA yield and concentration ranges that can be recovered and quantified using the PrepQuant ECQ 8000 Kit in conjunction with the PrepQuant System.

For Research Use Only. Not for use in diagnostic procedures.

Cell Free DNA Performance Data



(A) (B)

Figure 1: (A) Across 10 individual healthy-donor EDTA plasma samples, PrepQuant generated higher normalized plasma yield than the competitor in 9 of 10 donors. **(B)** Representative fragment analysis showed increased signal within the cfDNA-sized region and lower relative high-molecular-weight DNA signal.

In summary, the PrepQuant System, used with the cfDNA ECQ 8000 Kit, demonstrated efficient cfDNA recovery across the evaluated plasma samples, produced cfDNA across a range of concentrations relevant to downstream molecular workflows, and showed strong agreement between onboard quantification and Qubit 3.0 reference measurements. Fragment analysis further demonstrated enrichment of DNA within the cfDNA-sized region with reduced relative high-molecular-weight DNA signal. Together, these findings support PrepQuant as an integrated workflow for automated cfDNA extraction, concentration, and onboard quantification, producing quantified cfDNA with a favorable fragment profile for downstream molecular applications.

Ordering Information

Catalog Number	Product Description	Quantity
1100000	PrepQuant™ cfDNA ECQ 8000 Kit	48 Preps

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