

MagCore[®] Giga

Large-volume Automated Nucleic Acid Extraction System.



KEY FEATURES

HIGH VOLUME

Process up to 8mL of plasma or body fluids, ideal for low-concentration cfDNA/ cfRNA samples.

HIGHER QUALITY

Patented magnetic beads & cartridge design ensure high-purity nucleic acids, perfect for qPCR, NGS, and ONT.

LIMS-READY

Seamless connectivity with downloadable session details and post-run reports.

VERSATILE APPLICATIONS

Extract cfDNA, RNA, or gDNA to meet diverse experimental needs.

FLEXIBLE THROUGHPUT

Run 1-8 samples in parallel.

FULLY AUTOMATED

End-to-end workflow from loading to elution minimizes hands-on time and reduces human error.



MAJOR TECHNICAL ADVANTAGES

LARGE-VOLUME PROCESSING

Supports large sample volumes and elutes in small volumes, achieving high nucleic acid concentration and improved detection sensitivity.

EASY HANDLING

Minimal pre-treatment combined with patented high-capacity magnetic beads maximizes nucleic acid recovery.

HIGH-INTEGRITY NUCLEIC ACIDS

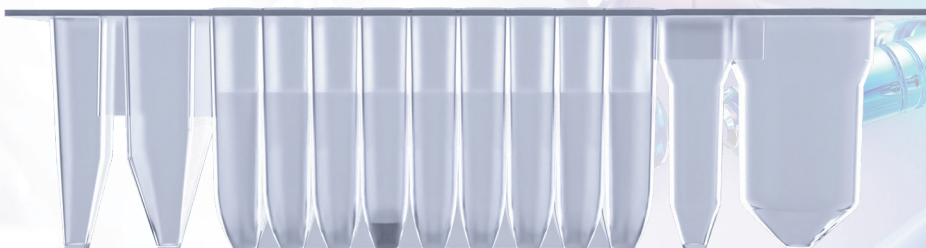
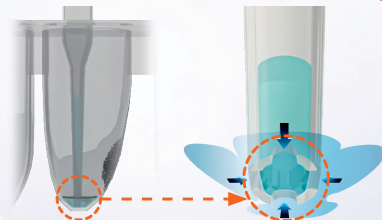
Extracted NA is suitable for ONT long-read sequencing and other advanced applications.

PREFILLED CARTRIDGE DESIGN

Reduces contamination risk, ensures stability, and streamlines operation.

Tip Design

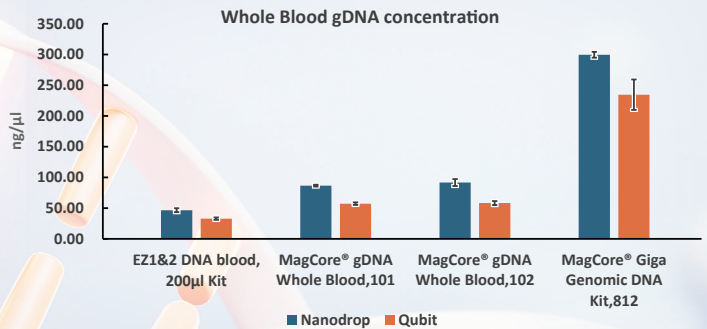
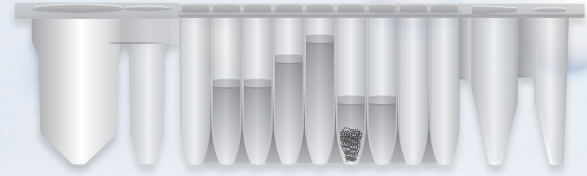
The unique cross-notch design at the end of the tips allows the instrument to pipette precise volumes and minimize liquid retention.



MagCore® Giga Genomic DNA Kit Code 812

DESIGNED FOR PURIFICATION OF TOTAL DNA
(INCLUDING GENOMIC, MITOCHONDRIAL AND VIRAL DNA)
FROM WHOLE BLOOD, PLASMA, SERUM, BUFFY COAT

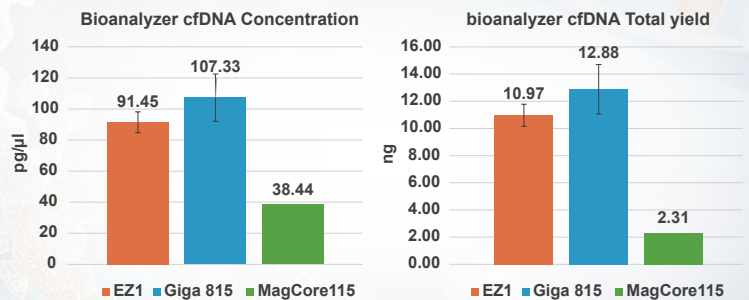
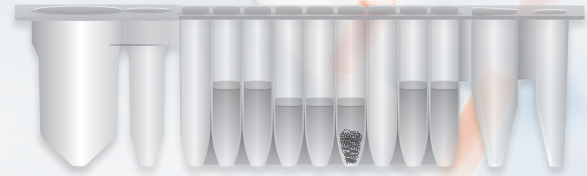
The **Hi-Volume Blood DNA Extraction Kit** enables efficient, high-yield extraction of high-quality gDNA/RNA from up to **4 ml of whole blood** using magnetic bead technology and convenient presealed cartridges. Producing DNA of approximately **20–30 kb** with yields of up to **100 µg**, the kit is ideal for **PCR, NGS, ONT sequencing, and biobanking applications.**



MagCore® Giga Cell Free DNA Kit Code 815

DESIGNED FOR PURIFICATION OF DNA FROM 8ML OF
SERUM, PLASMA, CELL-FREE BODY FLUIDS.

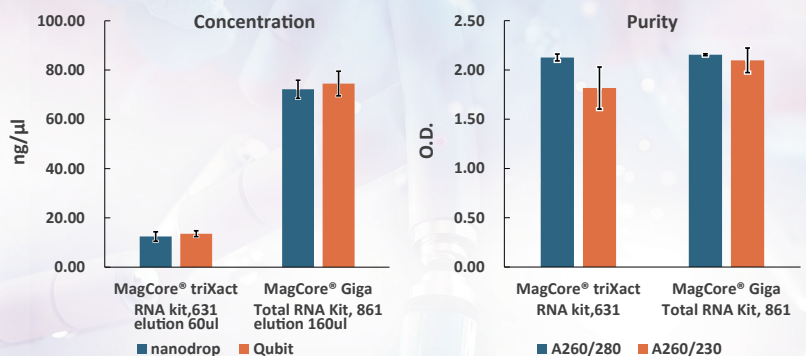
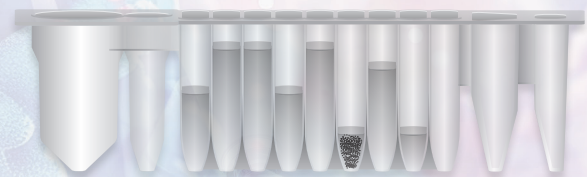
The **Hi-Volume Plasma DNA Extraction Kit** enables efficient extraction of low-concentration circulating DNA from up to **8ml of plasma in a single tube**, using a workflow optimized for liquid biopsy applications. Designed to support **ctDNA recovery for early oncology screening and MRD monitoring**, the kit also enables NIPT workflows, with micro-elution volumes as low as 100 µl to help achieve the concentrations required for **NGS and other downstream applications.**



MagCore® Giga Total RNA Kit Code 861

DESIGNED FOR TOTAL RNA PURIFICATION
FROM UP TO 8ML WHOLE BLOOD.

The **Hi-Volume Blood RNA Extraction Kit** enables high-yield RNA extraction from up to **8ml of blood in a single tube**, delivering yields up to **6-fold higher than Kit 631**. With **DNase/RNase-free pretreated consumables**, individual processing tracks for each sample, and included **DNase I treatment** to remove residual DNA, the kit supports clean, reliable RNA recovery while minimizing cross-contamination. It is ideal for **liquid biopsy, cancer diagnostics, and biomarker discovery applications.**



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