



# Product Introduction 2024

- ❑ Best-in-class Nucleic Acid Isolation & Preservation Technologies
- ❑ Cost-efficient & High-quality Laboratory Supplies
- ❑ World 1<sup>st</sup> Large-volume Nucleic Acid Isolation Automation System



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## About Us

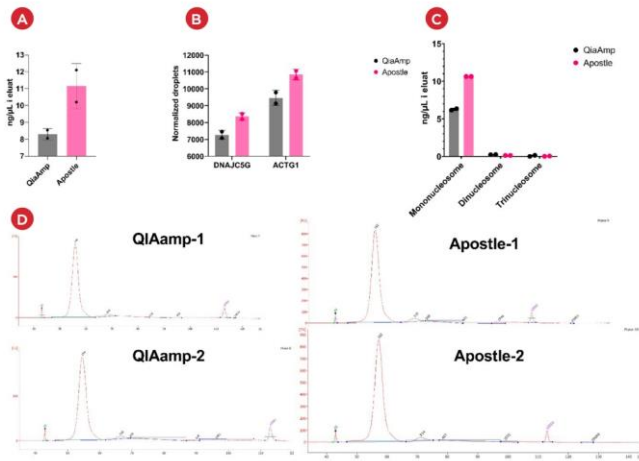
Apostle Inc is a pioneering biotechnology company dedicated to advancing public health and life sciences through innovative technologies and services.

At Apostle, we specialize in providing unparalleled nucleic acid isolation and preservation technologies. Our primary focus lies in pioneering breakthroughs in circulating free DNA (cfDNA) technology, which plays a pivotal role in noninvasive prenatal testing (NIPT) and liquid biopsy applications. Additionally, our MiniGenomics product series offers efficient, scalable, and reproducible isolation of high-quality genomic DNA and/or RNA from a variety of biological specimens.

Furthermore, we proudly offer a comprehensive selection of high-quality laboratory consumables at competitive prices. By empowering researchers and developers with top-tier resources, we aim to facilitate excellence in their endeavors.

# Superior Performance of Apostle Cell-Free DNA Isolation Kits

## Superior cfDNA Isolation Performance



**Figure 1.** Evaluating Apostle MiniMax and QIAamp cfDNA purification efficiency. **A)** cfDNA concentration in final eluates. **B)** Normalized positive droplets for *DNAJC5G* and *ACTG1* in the purified cfDNA samples. **C)** Quantified contents of cfDNA corresponding to mono-, di-, and tri-nucleosomal DNA in the purified samples based on analysis with the Agilent Bioanalyzer system. **D)** Size distribution plots for purified cfDNA samples. N=2 in all plots.

### Significantly Higher Yield

Apostle kit delivers an average of **34.3% higher total cfDNA yield** compared to the competitor kit (Fig 1A)

### Enhanced Target Gene Recovery

Apostle kit shows a **14.8% increase** in the number of specific gene-positive droplets detected (Fig 1B)

### Superior Mononucleosomal cfDNA Isolation

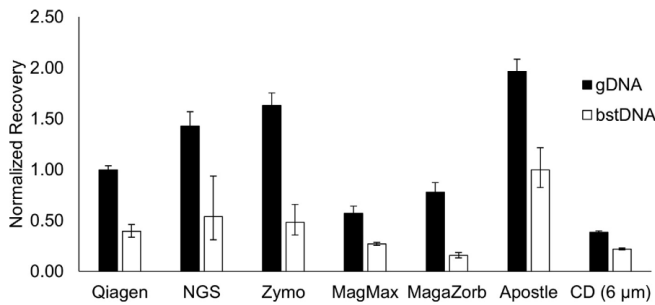
Apostle kit achieves a **70.0% higher yield of mononucleosomal cfDNA fragments**, the most relevant size for ctDNA analysis (Fig 1C & 1D)

### Consistent Performance

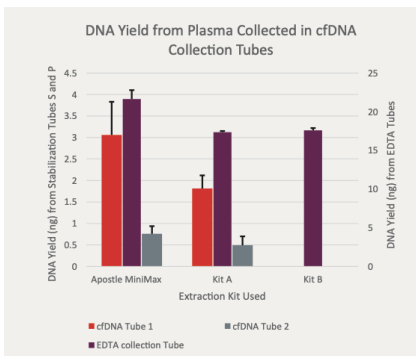
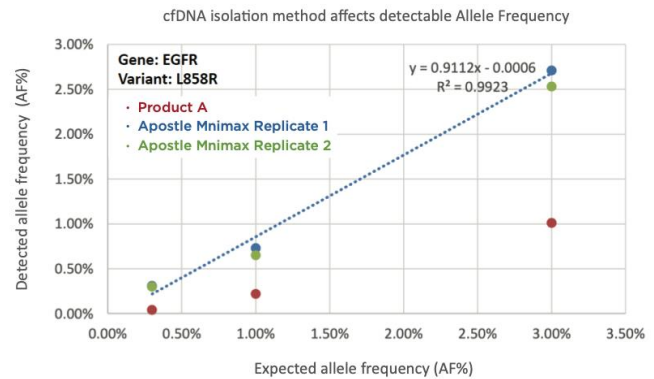
Across various evaluation methods (Qubit assay, droplet digital PCR, Agilent bioanalyzer), Apostle kit consistently shows higher cfDNA yield compared to competitor

### Improved ctDNA Detection Potential

The significantly higher yield of cfDNA and specifically mononucleosomal fragments can translate to increased sensitivity in ctDNA detection assays



6



□ Apostle particles outperformed all others, achieving **almost 2-fold higher recovery yields** than the particles supplied in the X kit. (Top Left)

□ cfDNA isolated by Apostle cfDNA isolation kit shows **higher concordance** between detected AF% and expected AF%. (Top Right)

□ For each tube, the Apostle extracted **higher total yield** of DNA. (Bottom)

# Apostle gDNA/cfDNA Isolation & Automation Solutions

## gDNA/cfDNA Isolation and Automation



- ❑ **Best-in-class extraction performance**  
gDNA extraction : Isolate high-quality gDNA for NGS, PCR, and microarrays from a wide range of samples  
cfDNA extraction : >95% extraction rate, capture low-abundance cfDNA from biofluids for sensitive liquid biopsy and MRD detection
- ❑ **Proprietary bead-based extraction**  
Superior magnetic power & Uniform bead size
- ❑ **Cost-efficient solution**  
Low-cost without compromising on quality
- ❑ **MagTouch Integration**  
Automated extraction workflows: high consistency & reliability  
Simple & fast: Extract 96 samples in < 45 mins

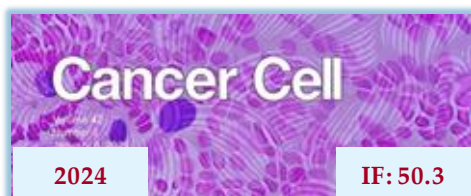
## Empowering Research, Diverse Applications

- ❑ gDNA extraction from challenging samples
- ❑ Hepatocellular carcinoma detection
- ❑ Early lung cancer detection
- ❑ Rectal cancer treatment response prediction
- ❑ Lung cancer prognosis prediction using ChIP
- ❑ Clinical research on antibody delivery
- ❑ Colon cancer detection & monitoring
- ❑ SARS-CoV-2 wastewater surveillance
- ❑ Clinical research on metastatic solid tumors
- ❑ Non-invasive Prenatal Testing (NIPT)

## Trusted by Leading Institutions



# Apostle cfDNA Isolation Kits in High-Impact Research Publications




**2024** **IF: 50.3**

**Critical commercial assays**

SMARTer Seq V3	Takara	#634487
RNA TruSeq RNA Exome	Illumina	20020189
Ovation RRBS Methyl-Seq	Tecan	0553-32
MagMAX™ FFPE DNA/RNA Ultra Kit	Applied Biosystems	A31881
Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit	Apostle Bio	A17622-250

Heeke, Simon, *et al.* "Tumor and circulating-free DNA methylation identifies clinically relevant small cell lung cancer subtypes." *Cancer Cell* 42.2 (2024): 225-237.




**2022** **IF: 82.9**

cfDNA collection and isolation

Whole blood was collected in two 10-ml cell-free DNA (cfDNA) BCT (Streck) starting at the time of the prime, and subsequent draws were collected at dosing visits. Due to COVID-19 restrictions, several blood draws were missed. Whole blood underwent a double-spin protocol to first separate plasma from WBCs and red blood cells before a second spin to remove any remaining cellular debris. The separated plasma was frozen and shipped to Gritstone Bio and stored at -80°C until extraction. cfDNA was extracted from the entire plasma volume of a single draw using the Apostle MiniMax cfDNA Isolation kit (ApostleBio) and quantified using the Qubit 1x dsDNA High Sensitivity Assay (Thermo Fisher Scientific).

Palmer, Christine D., *et al.* "Individualized, heterologous chimpanzee adenovirus and self-amplifying mRNA neoantigen vaccine for advanced metastatic solid tumors: phase 1 trial interim results." *Nature medicine* 28.8 (2022): 1619-1629.




**2022** **IF: 17.1**

DNA extraction

cfDNA was extracted from the plasma samples using the Apostle MiniMax cfDNA Isolation kit (C43468, Apostle). WBC DNA was extracted using the QIAamp DNA mini kit (51306, Qiagen). DNA concentrations were determined using the Qubit dsDNA HS Assay Kit (Q32854, Thermo Fisher Scientific).

Wang, Pei, *et al.* "Simultaneous analysis of mutations and methylations in circulating cell-free DNA for hepatocellular carcinoma detection." *Science translational medicine* 14.672 (2022): eabp8704.




**2024** **IF: 82.9**

Cell-free DNA collection and isolation

shipped to Gritstone Bio and stored at -80 °C until extraction. cfDNA was extracted from the entire plasma volume of a single draw using the Apostle MiniMax cfDNA Isolation kit (ApostleBio) and quantified using the Qubit 1x dsDNA High Sensitivity Assay (Thermo Fisher

Rappaport, Amy R., *et al.* "A shared neoantigen vaccine combined with immune checkpoint blockade for advanced metastatic solid tumors: phase 1 trial interim results." *Nature Medicine* (2024): 1-10.




**2021** **IF: 11.1**

DNA Extraction and Bisulfite Conversion.

For tissue and buffy coat samples, genomic DNA was extracted with the QIAamp DNA Mini Kit and the QIAamp DNA Blood Mini Kit (QIAGEN), respectively, according to the manufacturer's instructions. Plasma DNA extraction was performed using 2 to 5 mL of plasma with the Apostle MiniMax High-Efficiency cfDNA Isolation Kit, according to the product manual. DNA concentration was measured with a Qubit 3.0 fluorometer (Thermo Fisher Scientific). The extracted DNA was stored at -80 °C until use.

Jin, Shengnan, *et al.* "Efficient detection and post-surgical monitoring of colon cancer with a multi-marker DNA methylation liquid biopsy." *Proceedings of the National Academy of Sciences* 118.5 (2021): e2017421118.




**2022** **IF: 11.2**

DNA extraction and library preparation

Genomic DNA (gDNA) was extracted from fresh frozen tumour biopsies and WBCs with the QIAamp DNA Mini Kit (Qiagen; Germantown, MD, USA), and cfDNA was extracted from 1.5–4.5 mL of plasma with the Apostle MiniMax cfDNA Isolation kit (C40905, Apostle; San Jose, CA, USA). Targeted sequencing of a panel of 509 genes or exons was performed using genomic DNA obtained from tumour tissue and WBCs as previously described.<sup>18</sup>


Liu, Wenyang, *et al.* "Response prediction and risk stratification of patients with rectal cancer after neoadjuvant therapy through an analysis of circulating tumour DNA." *EBioMedicine* 78 (2022).



**2023** **IF: 16.6**

For sequencing on an Illumina platform, cfDNA was extracted from 0.4 mL plasma applied with an automated KingFisher system (Thermo-Fisher Scientific, US) and eluted in a final volume of 22 µL, using an Apostle MiniMax High Efficiency cfDNA Isolation Kit (Apostle, US) according to the manufacturer's instructions. Extracted cfDNA was processed for library construction starting with a 0.1–7 ng input, using the Swift 2 5<sup>th</sup> Sonic DNA Library Kit (ODT, US) according to the manufacturer's instructions. The concentration of the library was quantified using the dsDNA HS Qubit Assay (Invitrogen, US). The size of the library was determined using a D1000 screentape assay with 2200 TapeStation (Agilent Technologies, US). The sequencing libraries were pooled, and up to 240 libraries per batch were multiplexed.

Bae, Mingyun, *et al.* "Integrative modeling of tumor genomes and epigenomes for enhanced cancer diagnosis by cell-free DNA." *Nature Communications* 14.1 (2023): 2017.




**2024** **IF: 16.6**

cfRNA extraction

Frozen plasma samples were thawed on ice prior to cfRNA extraction. 200 µL of plasma samples were subjected to cfRNA extraction using the Apostle MiniMax™ High Efficiency cfRNA Isolation Kit (Apostle), following the manufacturer's protocol with minor modifications. The experiments were conducted through manual operation on the bench up until the step involving the addition of 6.5 µL of Binding Enhancer to the 200 µL supernatant. The mixture was transferred to a 96-well plate with the prepared binding/nanoparticle solution, cfRNA Wash Solution, and 80% Ethanol (two columns) on different columns (eight samples in parallel). The subsequent steps, including binding and three rounds of magnetic

Wang, Jun, *et al.* "Terminal modifications independent cell-free RNA sequencing enables sensitive early cancer detection and classification." *Nature Communications* 15.1 (2024): 156.



**2022** **IF: 82.9**

AAV8-VRC07 vector DNA quantitation.

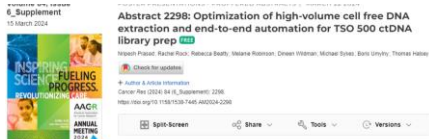
Plasma AAV8-VRC07 plasmid DNA was measured by extracting DNA from plasma, concentrating and then using a real-time PCR assay to measure a 153 base sequence spanning the junction of the IgG heavy chain sequence and F2A insert. DNA was extracted from serum using an Apostle MiniMax High Efficiency cfDNA Isolation Kit, following the manufacturer's protocol with slight modification.

Casazza, Joseph P., *et al.* "Safety and tolerability of AAV8 delivery of a broadly neutralizing antibody in adults living with HIV: a phase 1, dose-escalation trial." *Nature medicine* 28.5 (2022): 1022-1030.

80+ citations and counting  
check our website



# Apostle cfDNA Isolation Kits in Industry R&D



**Abstract**  
Liquid biopsy such as plasma, has emerged as one of the most valuable sample types for profiling circulating tumor DNA (ctDNA) for screening, response to treatment, and monitoring relapse in oncology patients. Due to the diffuse nature of ctDNA however, both extraction and library preparation must be optimized for the efficient downstream next-generation sequencing (NGS) application. We initially addressed the optimization of quality and quantity of ctDNA recovery from healthy and various oncology patients by evaluating QIAampure DSP Circulating DNA Kit and Apostle MiniMax ctDNA Isolation Kits. Overall, the ctDNA yields from Apostle MiniMax kit were approximately 10X higher. We then optimized high volume automated ctDNA extraction from 1ml, 3ml and 6ml plasma samples using the Biomek i7 for Apostle MiniMax kit. Colorectal, Gastric and Ovarian cancer gave the highest yield of ctDNA whereas, Esophageal, Lung and Kidney cancers were the lowest ctDNA yielding samples. We then analyzed ctDNA from plasma from healthy donors, colorectal, kidney, breast, and endometrial cancer patients along with Oncopan and Seraseq ctDNA mutation mix (5.0-1% AF) to evaluate the mutation detection efficacy, repeatability, and reproducibility by targeted NGS using TSO 500ctDNA assay by 10ng, 20ng, and 30ng inputs. For library preparation batches of 48 samples were prepared using a fully automated processes for the library prep. Hybridization capture and post capture enrichment on the Beckman i7 robot. Libraries were sequenced on NovaSeq 6000 at 600M Paired-end depth. This method demonstrates an overall concordance of inter-run and intra-run accuracy of variant detection to be 90%, demonstrating that this method on an automated platform produces highly repeatable and reproducible variant detection to sub-1% allele frequencies. The inter-run, lot-to-lot, and operator-to-operator variability was 99%. Down sample analysis demonstrated high levels of assay performance with sample inputs of 30 ng with 99% sample passing Illumina ccf metrics at 150M PE read depth as compared to Illumina recommended 60M PE reads. Taken together, we provide a high-volume automated solution for ctDNA extraction from plasma samples, additionally these data demonstrate a robust, reproducible, and highly accurate targeted DNA sequencing method that can be used for low allele frequency

The kit achieves approximately **12 times higher cfDNA yield** compared to competitors, facilitating efficient processing of large sample sets. Furthermore, the kit is compatible with high-volume automated cfDNA extraction using the Biomek i7 system. The downstream targeted NGS analysis using Apostle-isolated cfDNA achieves **excellent repeatability and accuracy (90%) for variant detection** at low allele frequencies (down to 0.5%). This robust performance makes **Apostle MiniMax an ideal solution for industrial R&D applications** requiring reliable and efficient ctDNA analysis.

- Discovery Life Sciences, Huntsville, AL.

Apostle is proud to deliver a massive shipment of **12,000 innovative MiniMax cfDNA Blood Collection Tubes** to a valued client. These specially designed tubes optimize cfDNA preservation while minimizing gDNA contamination, ensuring the highest quality samples for NIPT. This industry-leading product reflects our commitment to continuous development and providing researchers and clinicians with the tools they need for accurate and reliable NIPT results. The MiniMax tubes contribute to improving the well-being of mothers and babies.



We're on a mission to accelerate breakthroughs in diagnostics! This shipment of our **best-selling Apostle MiniMax cfDNA Isolation Kits** (4mL x 384 Preps) is on its way to a valued client, ready to unlock the power of ctDNA analysis in an industrial setting. Apostle MiniMax kits deliver exceptional cfDNA yield, streamlining workflows for large-scale ctDNA studies. Every kit shipped contributes to advancements in diagnostic tools and therapies. We're proud to fuel your research journey and excited to see the groundbreaking discoveries you'll achieve in the field of diagnostics!



# Product Introduction 2024

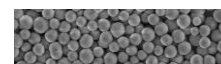
## cfDNA Isolation Kits & Reagents



Reagents

Cat. No.	Product Name	Spec	Price (\$)
<b>cfDNA Isolation Kits</b>			
A17622-50	Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit (Standard Edition)	1 mL x 50 preps	157.43
A17622-250	Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit (Standard Edition)	5 mL x 50 preps	476.86
A17622-1536	Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit (Standard Edition)	4 mL x 384 preps	2,700.45
A17622-600	Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit (Standard Edition)	100 µL x 6,000 preps	5,767.20
A17830-10	Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit (Type S)	5-10 preps	162.00
A17830-50	Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit (Type S)	25-50 preps	645.84
<b>cfDNA Isolation Reagents — Kit Component</b>			
A17622-EB-1536	Apostle MiniMax High Efficiency Elution Buffer	51 mL	10.77
A17622-BS-1536	Apostle MiniMax High Efficiency Lysis/Binding Solution	705 mL	548.39
A17622-MN-1536	Apostle MiniMax High Efficiency Magnetic Nanoparticles	25.8 mL	1,732.52
A17622-PK-1536	Apostle MiniMax High Efficiency Proteinase K	25 mL	131.57
A17622-LB-1536	Apostle MiniMax High Efficiency Sample Lysis Buffer	169 mL	69.33
A17622-WS-1536	Apostle MiniMax High Efficiency Wash Solution	845 mL	178.05
<b>Short Fragment Enrichment Kits</b>			
A190925-20	Apostle MiniEnrich Short Fragment Enrichment Kit	20 µL x 20 preps	270.00
A190925-50	Apostle MiniEnrich Short Fragment Enrichment Kit	20 µL x 50 preps	672.50

## Magnetic Nanoparticles



Cat. No.	Product Name	Spec	Price (\$)
A320-5	Apostle MiniMax High Efficiency Magnetic Nanoparticles	5 mL	864.00
A320-20	Apostle MiniMax High Efficiency Magnetic Nanoparticles	20 mL	3,434.40

## Genomic DNA Isolation Kits



Cat. No.	Product Name	Spec	Price (\$)
A180905-50	Apostle MiniGenomics Genomic DNA Isolation – FFPE Fast Kit	200 µL x 50 preps	439.99
A180905-200	Apostle MiniGenomics Genomic DNA Isolation – FFPE Fast Kit	200 µL x 200 preps	1,609.99
A181220-50	Apostle MiniGenomics Genomic DNA Isolation – Genital Tract Swab Fast Kit	200 µL x 50 preps	425.99
A181220-200	Apostle MiniGenomics Genomic DNA Isolation – Genital Tract Swab Fast Kit	200 µL x 200 preps	1,549.99
A180910-50	Apostle MiniGenomics Genomic DNA Isolation – Saliva Fast Kit	1mL x 50 preps	435.20
A180910-200	Apostle MiniGenomics Genomic DNA Isolation – Saliva Fast Kit	1mL x 200 preps	1,577.60
A181230-50	Apostle MiniGenomics Genomic DNA Isolation – Stool (Microbe) Fast Kit	200 µL x 50 preps	435.99
A181230-200	Apostle MiniGenomics Genomic DNA Isolation – Stool (Microbe) Fast Kit	200 µL x 200 preps	1,589.99
A181206-50	Apostle MiniGenomics Genomic DNA Isolation – Stool Fast Kit	200 µL x 50 preps	435.99
A181206-200	Apostle MiniGenomics Genomic DNA Isolation – Stool Fast Kit	200 µL x 200 preps	1,589.99
A180904-50	Apostle MiniGenomics Genomic DNA Isolation – Tissue Fast Kit	200 µL x 50 preps	429.99
A180904-200	Apostle MiniGenomics Genomic DNA Isolation – Tissue Fast Kit	200 µL x 200 preps	1,569.99
A181229-50	Apostle MiniGenomics Genomic DNA Isolation – Virus Fast Kit	200 µL x 50 preps	429.99
A181229-200	Apostle MiniGenomics Genomic DNA Isolation – Virus Fast Kit	200 µL x 200 preps	1,569.99
A180903-50	Apostle MiniGenomics Genomic DNA Isolation – Whole Blood Fast Kit	200 µL x 50 preps	722.50
A180903-200	Apostle MiniGenomics Genomic DNA Isolation – Whole Blood Fast Kit	200 µL x 200 preps	2,643.84

## Viral DNA/RNA Isolation Kits



Cat. No.	Product Name	Spec	Price (\$)
A200619-384	Apostle MiniGenomics Viral Total NA Isolation Kit	384 preps	843.75
A200619-1536	Apostle MiniGenomics Viral Total NA Isolation Kit	1,536 preps	3,725.00
A200619-6144	Apostle MiniGenomics Viral Total NA Isolation Kit	6,144 preps	14,500.00

## Urine DNA Isolation Kit



Cat. No.	Product Name	Spec	Price (\$)
A210701-50	Apostle MiniGenomics High Efficiency Urinary Tract Microbiota DNA Isolation Kit	400 µL x 50 preps	359.50

# Apostle Total RNA/cfRNA Extraction & Automation Solutions

## Total RNA / cfRNA Extraction and Automation



MiniMax Cell-free RNA Isolation Kit



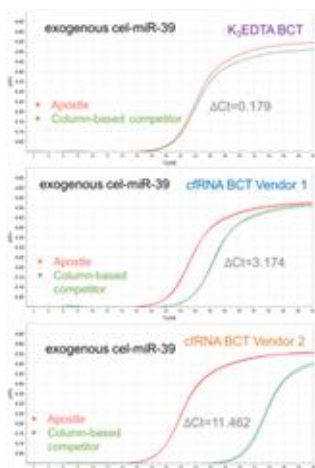
MiniMax Total RNA Isolation Kit



MagTouch 2000 system

- ❑ **Superior Isolation Efficiency** Isolates a wider range of cell-free RNA fragments (17nt - 1000nt)
- ❑ **Phenol & Chloroform-Free** Safe protocol eliminates exposure to hazardous chemicals
- ❑ **Broad Application Compatibility** Ideal for downstream applications like sequencing and PCR
- ❑ **Preserves RNA Integrity** Minimizing RNA degradation during storage
- ❑ **High-Throughput Ready** 50 preps per kit facilitate efficient processing of multiple samples

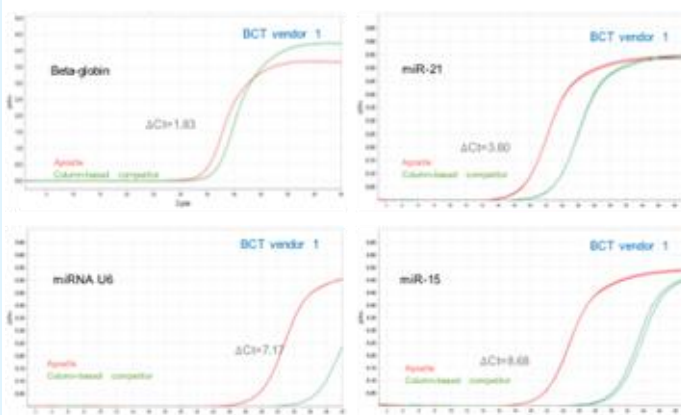
## Product Information



**1.1 to 2000 times higher (Left)** exogenous RNA recovery rate than a column-based major alternative product.

**3.5 to 480 times higher (Right)** RNA recovery rate than a column-based major alternative product.

cfRNA was isolated from plasma using Apostle MiniMax™ High Efficiency cfRNA Isolation Kit (red) or a column-based major competitor (green).



## Applications in Research and Development



### Utilizing cfRNA signatures for early cancer detection

Wang, Jun, *et al.* "Terminal modifications independent cell-free RNA sequencing enables sensitive early cancer detection and classification." *Nature Communications* 15, (2024): 156.



### Combining cfRNA with cfDNA for cancer diagnosis

Albitar, Maher, *et al.* "Combining cell-free RNA with cell-free DNA in liquid biopsy for hematologic and solid tumors." *Heliyon* 9, (2023): e16261.



### Characterization of small noncoding RNA and miRNA profiles in hypertension

Wang, Jun, *et al.* "Comprehensive characterization of small noncoding RNA profiles in hypoxia-induced pulmonary hypertension (HPH) rat tissues." *iScience* 27.2 (2024): 108815.

## cfRNA Isolation Kits



Cat. No.	Product Name	Spec	Price (\$)
A18312-10	Apostle MiniMax High Efficiency Cell-Free RNA Isolation Kit	200 $\mu$ L x 50 preps	268.38
A18312-50	Apostle MiniMax High Efficiency Cell-Free RNA Isolation Kit	1 mL x 50 preps	1,341.90

## Total cfDNA/RNA Isolation Kit



Cat. No.	Product Name	Spec	Price (\$)
A18725-50	Apostle MiniMax High Efficiency Total cfDNA/RNA (cfNAs) Isolation Kit	1 mL x 50 preps	1,360.00

## Purification & Size Selection Kits



Cat. No.	Product Name	Spec	Price (\$)
A190607-5	Apostle MiniEnrich Carboxyl Beads for Purification (AMPure XP alternative)	5 mL	60.00
A190607-30	Apostle MiniEnrich Carboxyl Beads for Purification (AMPure XP alternative)	30 mL	185.00
A190606-5	Apostle MiniEnrich Carboxyl Beads for Size Selection (SPRI alternative)	5 mL	70.00
A190606-30	Apostle MiniEnrich Carboxyl Beads for Size Selection (SPRI alternative)	30 mL	200.00

# Apostle Laboratory Supplies

- ❑ Rainin LTS Compatible Pipet Tips
- ❑ Universal Pipet Tips
- ❑ Conical Centrifuge Tubes, Cryogenic vials
- ❑ Disposable Polystyrene Serological Pipets
- ❑ TC-Treated Cell Culture Dishes/Plates/Flasks
- ❑ cfDNA Blood Collection Tubes
- ❑ Histology, Cytology & Pathology Supplies
- ❑ PCR Supplies

and more



High-quality & cost-efficient

ISO 9001  
ISO 13485  
REGISTERED



## Cell Biology Supplies



Cat. No.	Product Name	Spec	Quantity	Price (\$)
<b>Cell Culture Dishes</b>				
C0110-35	TC-treated Cell Culture Dishes	35 mm	200 pcs	49.99
C0110-35W	TC-treated Cell Culture Dishes (Individually wrapped)	35 mm	200 pcs	59.99
C0110-100	TC-treated Cell Culture Dishes	100 mm	100 pcs	49.99
C0110-100W	TC-treated Cell Culture Dishes (Individually wrapped)	100 mm	100 pcs	59.99
<b>Cell Culture Flasks</b>				
C0120-25V	TC-treated Cell Culture Flasks, Vent Cap	25 cm <sup>2</sup>	100 pcs	109.99
C0120-25VW	TC-treated Cell Culture Flasks, Vent Cap (Individually wrapped)	25 cm <sup>2</sup>	100 pcs	129.99
C0120-25S	TC-treated Cell Culture Flasks, Seal Cap	25 cm <sup>2</sup>	100 pcs	109.99
C0120-25SW	TC-treated Cell Culture Flasks, Seal Cap (Individually wrapped)	25 cm <sup>2</sup>	100 pcs	129.99
C0120-75V	TC-treated Cell Culture Flasks, Vent Cap	75 cm <sup>2</sup>	100 pcs	109.99
C0120-75VW	TC-treated Cell Culture Flasks, Vent Cap (Individually wrapped)	75 cm <sup>2</sup>	100 pcs	139.99
C0120-75S	TC-treated Cell Culture Flasks, Seal Cap	75 cm <sup>2</sup>	100 pcs	109.99
C0120-75SW	TC-treated Cell Culture Flasks, Seal Cap (Individually wrapped)	75 cm <sup>2</sup>	100 pcs	139.99
C0120-175V	TC-treated Cell Culture Flasks, Vent Cap	175 cm <sup>2</sup>	40 pcs	79.99
C0120-175VW	TC-treated Cell Culture Flasks, Vent Cap (Individually wrapped)	175 cm <sup>2</sup>	40 pcs	99.99
C0120-175S	TC-treated Cell Culture Flasks, Seal Cap	175 cm <sup>2</sup>	40 pcs	79.99
C0120-175SW	TC-treated Cell Culture Flasks, Seal Cap (Individually wrapped)	175 cm <sup>2</sup>	40 pcs	99.99
C0120-225V	TC-treated Cell Culture Flasks, Vent Cap	225 cm <sup>2</sup>	25 pcs	79.99
C0120-225S	TC-treated Cell Culture Flasks, Seal Cap	225 cm <sup>2</sup>	25 pcs	79.99
<b>Cell Culture Plates</b>				
C0130-6	TC-treated Cell Culture Plates, Flat-bottom (Individually wrapped)	6-Well	50 pcs	54.99
C0130-12	TC-treated Cell Culture Plates, Flat-bottom (Individually wrapped)	12-Well	50 pcs	59.99
C0130-24	TC-treated Cell Culture Plates, Flat-bottom (Individually wrapped)	24-Well	50 pcs	59.99
C0130-48	TC-treated Cell Culture Plates, Flat-bottom (Individually wrapped)	48-Well	50 pcs	59.99
C0130-96	TC-treated Cell Culture Plates, Flat-bottom (Individually wrapped)	96-Well	50 pcs	54.99
C0130-96U	TC-treated Cell Culture Plates, U-bottom (Individually wrapped)	96-Well	50 pcs	69.99
C0130-384	TC-treated Cell Culture Plates, Flat-bottom (Individually wrapped)	384-Well	50 pcs	129.99

# Product Introduction 2024

## Tubes & Vials



Cat. No.	Product Name	Spec	Quantity	Price (\$)
<b>Conical Centrifuge Tubes</b>				
C0210-15B	Conical Sterile Centrifuge Tubes (Bulk)	15 mL	500 pcs	69.99
C0210-15R	Conical Sterile Centrifuge Tubes (Racked)	15 mL	500 pcs	69.99
C0210-15BV	Conical Sterile Centrifuge Tubes (Blister-box)	15 mL	500 pcs	69.99
C0210-15WV	Conical Sterile Centrifuge Tubes (Individually wrapped)	15 mL	500 pcs	79.99
C0210-50B	Conical Sterile Centrifuge Tubes (Bulk)	50 mL	500 pcs	69.99
C0210-50R	Conical Sterile Centrifuge Tubes (Racked)	50 mL	500 pcs	69.99
C0210-50BV	Conical Sterile Centrifuge Tubes (Blister-box)	50 mL	300 pcs	59.99
C0210-50WV	Conical Sterile Centrifuge Tubes (Individually wrapped)	50 mL	500 pcs	89.99
<b>Safe-Lock Centrifuge Tubes</b>				
C0220-15	Safe-Lock Sterile Centrifuge Tubes	1.5 mL	500 pcs	19.99
C0220-15L	Safe-Lock Sterile Centrifuge Tubes (Low-retention)	1.5 mL	500 pcs	27.99
C0220-20	Safe-Lock Sterile Centrifuge Tubes	2.0 mL	500 pcs	22.99
C0220-20L	Safe-Lock Sterile Centrifuge Tubes (Low-retention)	2.0 mL	500 pcs	29.99
<b>Cryogenic Storage Vials</b>				
C0310-15	Cryogenic Storage Vials	1.5 mL	50 pcs	19.99
C0310-20	Cryogenic Storage Vials	2.0 mL	50 pcs	21.99
C0315-20W	Cryogenic Storage Vials (Individually wrapped)	2.0 mL	100 pcs	47.99

## PCR Supplies



Cat. No.	Product Name	Spec	Quantity	Price (\$)
C0410-20L	Sterile PCR Tubes (Dome-cap, Low-retention)	0.20 mL	1,000 pcs	39.99
C0420-20	Sterile 8-Strip PCR Tubes (Hinged-cap)	0.20 mL	250 pcs	69.99
C0430-20	Sterile 8-Strip PCR Tubes (Individual-cap)	0.20 mL	240 pcs	99.99
C0440-20TH	Sterile 96-Well PCR Plates (Transparent, Half-skirted)	0.20 mL	50 pcs	79.99
C0440-20TN	Sterile 96-Well PCR Plates (Transparent, Non-skirted)	0.20 mL	50 pcs	79.99
C0450-25FQ	Sterile PCR Sealing Film (Fluorescence Quantitative)	0.10 mm	25 pcs	39.99
C0450-100FQ	Sterile PCR Sealing Film (Fluorescence Quantitative)	0.10 mm	100 pcs	149.99

## Protein Biology Supplies



Cat. No.	Product Name	Spec	Quantity	Price (\$)
<b>ELISA-related Supplies</b>				
C1010-10	ELISA Plates	96-Well	50 pcs	99.99
<b>Western Blotting-related Supplies</b>				
C0915-20	PVDF Transfer Membranes	0.22 $\mu$ m / 7x9 cm	10 pcs	49.99
C0915-45	PVDF Transfer Membranes	0.45 $\mu$ m / 7x9 cm	10 pcs	59.99
C0910-20	PVDF Transfer Membranes	0.22 $\mu$ m / 13.25x15 cm	1 pc	17.99
C0910-45	PVDF Transfer Membranes	0.45 $\mu$ m / 13.25x15 cm	1 pc	21.99
C0920-16K	Transfer Membrane Filter Paper	Thick / 0.6 mm	16 pcs	9.99
C0920-50N	Transfer Membrane Filter Paper	Thin / 0.15 mm	50 pcs	9.99

## Histology, Cytology & Pathology Supplies



Cat. No.	Product Name	Spec	Quantity	Price (\$)
C1110-10S	Biopsy and Tissue Cassettes	Single Frame	250 pcs	59.99
C1120-10F	Microscope Slides, Frosted Marking Area	1.2 mm	50 pcs	19.99
C1120-10W	Microscope Slides, White Marking Area	1.2 mm	50 pcs	19.99
C1130-10P	Adhesion Microscope Slides, Paraffin Section	1.2 mm	50 pcs	29.99
C1130-10F	Adhesion Microscope Slides, Frozen Section	1.2 mm	50 pcs	29.99
C1140-24	Cover Glass	24x24 mm	200 pcs	19.99
C1140-50	Cover Glass	50x50 mm	100 pcs	39.99

## Lab Safety & Protection



Cat. No.	Product Name	Size	Quantity	Price (\$)
C0810-1000XS	Powder-Free Nitrile Exam Gloves, Iris Blue	XS	Pack of 100	7.99
C0810-1000S	Powder-Free Nitrile Exam Gloves, Iris Blue	S	Pack of 100	7.99
C0810-1000M	Powder-Free Nitrile Exam Gloves, Iris Blue	M	Pack of 100	7.99
C0810-1000L	Powder-Free Nitrile Exam Gloves, Iris Blue	L	Pack of 100	7.99
C0810-1000XL	Powder-Free Nitrile Exam Gloves, Iris Blue	XL	Pack of 100	7.99



# Product Introduction 2024

## Serological Pipets



Cat. No.	Product Name	Spec	Quantity	Price (\$)
C0510-1	Disposable Sterile Polystyrene Serological Pipet (Individually packaged)	1 mL	200 pcs	29.99
C0510-2	Disposable Sterile Polystyrene Serological Pipet (Individually packaged)	2 mL	200 pcs	29.99
C0510-5	Disposable Sterile Polystyrene Serological Pipet (Individually packaged)	5 mL	200 pcs	29.99
C0510-10	Disposable Sterile Polystyrene Serological Pipet (Individually packaged)	10 mL	200 pcs	29.99
C0510-25	Disposable Sterile Polystyrene Serological Pipet (Individually packaged)	25 mL	200 pcs	49.99

## Specialized Pipet Tips (Rainin LTS Compatible)



Cat. No.	Product Name	Spec	Quantity	Price (\$)
<b>Non-Filtered Pipet Tips (Rainin LTS Compatible)</b>				
C0620-20	Specialized Sterile Non-Filtered Pipet Tips (96 tips / rack)	20 µL	50 pcs	129.99
C0620-200	Specialized Sterile Non-Filtered Pipet Tips (96 tips / rack)	200 µL	50 pcs	129.99
C0620-1000	Specialized Sterile Non-Filtered Pipet Tips (96 tips / rack)	1000 µL	50 pcs	129.99
<b>Filtered Pipet Tips (Rainin LTS Compatible)</b>				
C0610-20	Specialized Sterile Filtered Pipet Tips (96 tips / rack)	20 µL	50 pcs	199.99
C0610-20L	Specialized Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	20 µL	50 pcs	219.99
C0610-200	Specialized Sterile Filtered Pipet Tips (96 tips / rack)	200 µL	50 pcs	199.99
C0610-200L	Specialized Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	200 µL	50 pcs	219.99
C0610-1000	Specialized Sterile Filtered Pipet Tips (96 tips / rack)	1000 µL	50 pcs	199.99
C0610-1000L	Specialized Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	1000 µL	50 pcs	219.99

## Universal Pipet Tips



Cat. No.	Product Name	Spec	Quantity	Price (\$)
<b>Universal Non-Filtered Pipet Tips</b>				
C0720-10	Universal Sterile Non-Filtered Pipet Tips (96 tips / rack)	10 µL	50 pcs	89.99
C0720-10E	Universal Sterile Non-Filtered Pipet Tips (96 tips / rack, Extended)	10 µL	50 pcs	94.99
C0720-200	Universal Sterile Non-Filtered Pipet Tips (96 tips / rack)	200 µL	50 pcs	89.99
C0720-1000	Universal Sterile Non-Filtered Pipet Tips (96 tips / rack)	1000 µL	50 pcs	129.99
C0720-1250	Universal Sterile Non-Filtered Pipet Tips (96 tips / rack)	1250 µL	50 pcs	149.99
<b>Filtered Pipet Tips</b>				
C0710-10	Universal Sterile Filtered Pipet Tips (96 tips / rack)	10 µL	50 pcs	114.99
C0710-10E	Universal Sterile Filtered Pipet Tips (96 tips / rack, Extended)	10 µL	50 pcs	126.99
C0710-10L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	10 µL	50 pcs	139.99
C0710-10EL	Universal Sterile Filtered Pipet Tips (96 tips / rack, Extended, Low-retention)	10 µL	50 pcs	154.99
C0710-20	Universal Sterile Filtered Pipet Tips (96 tips / rack)	20 µL	50 pcs	126.99
C0710-20L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	20 µL	50 pcs	154.99
C0710-100	Universal Sterile Filtered Pipet Tips (96 tips / rack)	100 µL	50 pcs	129.99
C0710-100L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	100 µL	50 pcs	159.99
C0710-200	Universal Sterile Filtered Pipet Tips (96 tips / rack)	200 µL	50 pcs	129.99
C0710-200L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	200 µL	50 pcs	159.99
C0710-1000	Universal Sterile Filtered Pipet Tips (96 tips / rack)	1000 µL	50 pcs	139.99
C0710-1000L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	1000 µL	50 pcs	159.99
C0710-1250	Universal Sterile Filtered Pipet Tips (96 tips / rack)	1250 µL	50 pcs	149.99
C0710-1250L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	1250 µL	50 pcs	169.99
<b>Gel-loading Pipet Tips</b>				
C0730-200	Universal Sterile Gel-Loading Pipet Tips (96 tips / rack)	200 µL	50 pcs	139.99

# Product Introduction 2024

## cfDNA Blood Collection Tubes



Cat. No.	Product Name	Spec	Quantity	Price (\$)
A17930-5	Apostle MiniMax cfDNA Blood Collection Tube	10 mL	5 pcs	34.02
A17930-100	Apostle MiniMax cfDNA Blood Collection Tube	10 mL	100 pcs	680.40
A221012-100 (A17930)	Apostle MiniMax cfDNA Blood Collection Tube	3 mL	100 pcs	359.99
A17911-3	Apostle MiniMax cfDNA Preservative	3 mL	1 tube	75.00

Consumables

## Deep Plates & Tip Combs



Cat. No.	Product Name	Spec	Quantity	Price (\$)
A901214	Apostle MagTouch Deep-Well Plate	96-Well	50 pcs	424.60
A901212	Apostle MagTouch Tip-Comb	96-Well	50 pcs	397.80
A190411	Apostle MagTouch Deep-Well Plate	24-Well	50 pcs	425.00
A901213	Apostle MagTouch Tip Comb + Deep-Well Plate Set	24-Well	50 pcs	930.80

# MagTouch 3000: world 1<sup>st</sup> Large-Volume Automated cfDNA extractor

## World 1<sup>st</sup> Large-volume Fully-automated cfDNA extraction system



### Large Volume Processing

Handle 6-8 mL plasma/serum sample in 1 well

### Fully Automation

One-button simplicity with minimal setup

### High-throughput & Fast

Process 24 samples simultaneously, < 3-hour turnaround time

### Unmatched Efficiency

> 50% improved efficiency & reduced cost over the traditional small-volume and semi-automated systems

### Versatility & Flexibility

Process 1 to 24 samples. Catering to diverse needs

## Applications

**Oncology** Earlier cancer detection, minimal residual disease monitoring, and therapy response assessment

**Prenatal Testing** Non-invasive detection of fetal abnormalities

**Organ Transplant Rejection Monitoring** Early detection of transplant rejection for improved patient outcomes

## Specifications

**Labware** Specialized reagent cartridge, Magnetic rod sleeve, Pipet tip, Tube

**Filter** HEPA high efficiency filtration system

**Disinfection** UV lamp

**Dimensions** 30" x 25" x 24"

**Weight** 165 lbs

**Power Consumption** 100/240 V, 50/60 Hz



# Product Introduction 2024

## Instruments



Instruments

Cat. No.	Product Name	Spec	Price (\$)
<b>Nucleic Acid Extraction Automation</b>			
A201126-24	Apostle MagTouch 2000 Nucleic Acid Extraction Automation System	24-Well	35,000.00
A201126-96	Apostle MagTouch 2000 Nucleic Acid Extraction Automation System	96-Well	35,000.00
A202402-24	Apostle MagTouch 3000 Large-Volume Nucleic Acid Extraction Automation System	24-Channel	46,000.00
<b>Spectrophotometer + Fluorometer</b>			
A202311	Apostle NanoFlex 800 Micro-Spectrophotometer + Fluorometer	200-800 nm	8,975.25
<b>Viral DNA/RNA Isolation Automation</b>			
A201126-24	Apostle MagTouch 2000 Nucleic Acid Extraction Automation System	24-Well	35,000.00
A201126-96	Apostle MagTouch 2000 Nucleic Acid Extraction Automation System	96-Well	35,000.00

## CLIA Laboratory Services



Cat. No.	Product Name	Spec	Price (\$)
<b>cfDNA/cfRNA Isolation Services</b>			
A17622-SR-1	cfDNA Isolation Service (Laboratory Service)	1 sample	60.00
A18312-SR-1	cfRNA Isolation Service (Laboratory Service)	1 sample	60.00
<b>Clinical Laboratory &amp; CRO Services</b>			
A23592-SR-1	Clinical Laboratory & CRO Services (Laboratory Service)	Contact <a href="mailto:support@apostlebio.com">support@apostlebio.com</a>	



### CLIA Certificate

CLIA (Clinical Laboratory Improvement Amendments). Centers for Medicare & Medicaid Services, the United States Department of Health and Human Services 2023-2025



### CAP Certificate

CAP Accreditation, College of American Pathologists 2023-2025



### Medical Device Manufacturing License

State of California, Department of Public Health 2023-2025

### Clinical & Public Health Laboratory License

State of California, Department of Public Health 2023-2024



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