



- Best-in-class Nucleic Acid Isolation & Preservation Technologies
- □ Cost-efficient & High-quality Laboratory Supplies
- De World 1st 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.

Contact

- @ support@apostlebio.com
- (888) 305-3218

https://apostlebio.com

3589 Nevada St, Pleasanton, CA 94566



1/8/18

cfDNA Isolation Kits

Cat. No.	Product Name	Spec	Price (\$)
A17622-50	Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit (Standard Edition)	$1~{ m mL}~{ m x}~50~{ m preps}$	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)	$5-10\mathrm{preps}$	162.00
A17830-50	Apostle MiniMax High Efficiency Cell-Free DNA Isolation Kit (Type S)	$25\text{-}50\mathrm{preps}$	645.84



${\bf Apostle\,MiniMax\,High\,\,Efficiency\,Cell-Free\,DNA\,I\, solation\,\,Kit}$

• Powered by Apostle MiniMaxtechnology.

•

- An excellent tool for isolation of ultra-low concentration cell free DNA (cfDNA).
- Cited by 80+ high-profile scientific publications, including *Nature Medicine*, *Nature Communications*, *Cancer Cell*, and *PNAS* etc.

cfDNA Isolation Kit Components



Cat. No.	Product Name	Spec	Price (\$)
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

Superior Performance of Apostle Cell-Free DNA Isolation Kits

Superior cfDNA Isolation Performance

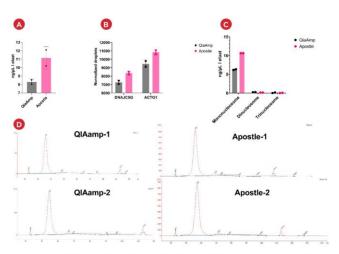


Figure 1. Evaluating Apostle MiniMax and GIAamp cIDNA purification efficiency. A) cIDNA concentration in final eluates. B) Normalized positive droplets for DNA/JCSG and ACTG/in the purified cIDNA samples. C) Quantified contents of cIDNA corresponding to monodri-and tri-nucleosomal DNA in the purified samples based on analysis with the Agilent Bioanalyzer system. D) Size distribution plots for purified cIDNA 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

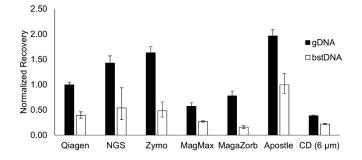
Apostle kit achieves a 70.0% higher yield of mononucleosomal cfDNA fragments, the most relevant size for ctDNA analysis (Fig 1C & 1D)

Consistent Performance

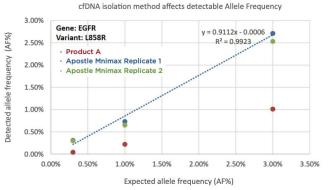
Across various evaluation methods (Qubit assay, droplet digital PCR, Agilent bioanalyzer), Apostle kit consistently shows higher cfDNA yield compared to competitor

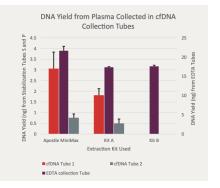
Improved ctDNA Detection Potential

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



6

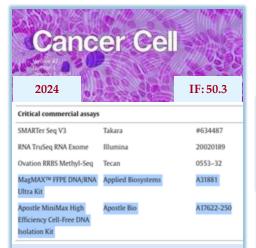




- Apostle particles outperformed all others, achieving almost 2-fold higher recovery yields than the particles supplied in the X kit. (Top Left)
- cfDNA isolated by Apostle cfDNA isolation kit shows higher concordance between detected AF% and expected AF%. (Top Right)
- For each tube, the Apostle extracted higher total yield of DNA. (Bottom)
- apostlebio.com 1.888.305.3218

Trusted by Academic Community

Apostle cfDNA Isolation Kits in High-Impact Research Publications



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

nature medicine

IF: 82.9

2024

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 quanti-

fied using the Qubit 1× dsDNA High Sensitivity Assay (Thermo Fisher Rappaport, Amy R., et al. "A shared neoantigen v accine combined with immune checkpoint blockade for adv anced metastatic solid tumors: phase 1 trial interim results." Nature Medicine (2024): 1-10. 2022 an-cancer IF: 82.9 cfDNA collection and isolation

Whole blood was collected in two 10-mi cell-free DNA (cfENA) 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 WICs and red blood cells before a second spin to remove any remaining cellular debris. The separated plasma was frozen and shipped to Gritstone like and stored at -80°C until extraction. cfEXAA was extracted from the entire plasma volume of a single draw using the Apostle MiniMax cfENA Isolation kit (ApostleBia and quantified using the Qubit Ix dsDNA High Sensibirity Asay (Thermo Fisher Scientific)

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



For tissue and buffy cost samples, genomic DNA was extracted with the QiAamp DNA Mini Kit and the QiAamp DNA Blood Mini Kit (QAKGPs), respectively, according to the manufacturer's instructions. "Biasma DNA extraction was performed using 2 to 5 million of plasma with the Apostle MiniMax High-Efficiency dDNA 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 -00 °C until use.

Jin, Shengnan, *et al.* "Efficient detection and postsurgical monitoring of colon cancer with a multimarker DNA methy lation liquid biopsy." *Proceedings of the National Academy of Sciences* 118.5 (2021): e2017421118.



For sequencing on an Illumina platform, cfDNA was extracted from 0.4 mL plasma applied with an automated Kinglisher system (Thermo-Fisher Scientific, US) and eluted in a final volume of 22 µL, using an Apostle MiniMax High Efficiency effNA Isolation Kit (Apostel, US) according to the manufacturer's instructions. Extracted of/DNA was processed for library construction starting with a 0.1-7 ng input, using the Swift 25° Sonie DNA Library Kit (DT, US) according to the manufacturer's instructions. The concentration of the library was quantified using a D3000 screentape assay with 2200 Tapestation (Agilent Technologies, US). The squeercing libraries were pooled, and up to 240 libraries per batch were multiplexed.

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



cfRNA extraction

Intern plasma samples were thaved on ice prior to cRNA extraction. 200 µl of plasma samples were subjected to cRNA extraction using the Apostle MinMax¹⁰⁴ High-Efficiency cRNA holtaton Nik (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 minure was transferred to a 96 well place with the prepared binding/hanoparticle solution, cRNA Wash Solution, and BOX Ethanol (two columns) on different columns (reight 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.



DNA extraction

cfDNA was extracted from the plasma samples using the Apostle MiniMax cfDNA isolation kit; (C45468, Apostle), WBC DNA was extracted using the QlAamp DNA mini kit (\$1306, Qiagen), DNA concentrations were determined using the Qubit dsDNA HS Asays Kit (Q23454, Thermo Fisher Scientific).

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

eBioMedicine Part of THE LANCET Discovery Science



DNA extraction and library preparation

Genomic DNA (gDNA) was extracted from fresh frozen tumour biopsies and WBCs with the QUArup DPA Mini Kti (Qiagen; Germantown, MD, USA), and (<u>dDNA</u> was extracted from 15-4.5 mil. of plasma with the Apostel binMinAx (<u>dDNA</u>)(<u>solitation</u> kti (<u>CB0605</u>). Apostle: San Jose; CA, USA), Targeted sequencing of a panel of 509 genes or <u>exomes</u> was performed using genomic DNA obtained from tumour tissue and WBCs as previously described.¹

Liu, Weny ang, et al. "Response prediction and risk stratification of patients with rectal cancer after neoadjuv ant therapy through an analy sis of circulating tumour DNA." *EBioMedicine* 78 (2022).



AAVE-VRC07 Vector DNA quantitation

Practice Artistics of the second seco

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

80+ citations and counting check our website



Apostle cfDNA Isolation Kits in Industry R&D



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- 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!

Short Fragment Enrichment Kits

Cat. No.	Product Name	Spec	Price (\$)
A190925-20	Apostle MiniEnrich Short Fragment Enrichment Kit	$20~\mu L x 20 \; preps$	270.00
A190925-50	Apostle MiniEnrich Short Fragment Enrichment Kit	$20~\mu L~x~50~preps$	672.50



Apostle MiniEnrich Short Fragment Enrichment Kit

- Enrichment of short DNA fragments at a size threshold of interest (e.g., 200 bp)
- Enable to improve accuracy of NIPT and to detect earlier in pregnancy
- Including two types of magnetic nanoparticles
 - type 1 to filter high-molecular-weight DNA with high-resolution
 - type 2 to recover the remaining DNA fragments under the size threshold of interest with >95% yield

Reference: Zhang et al. "High-resolution DNA size enrichment using a magnetic nano-platform and application in non-invasive prenatal testing." *Analyst* 145.17 (2020): 5733-5739.

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



Apostle MiniMax High Efficiency Magnetic Nanoparticles

- Novel materials composition and surface chemistry
- Exceptionally large surface area
- Minimized variation
- Best-in-class suspension property
- Superb magnetic power
- Superb resistance to particle clustering
- No microplastics. Eco-friendly.



Genomic DNA Isolation Kits

Reagents



Cat. No.	Product Name	Spec	Price (\$)
A180905-50	Apostle MiniGenomics Genomic DNA Isolation – FFPE Fast Kit	$200~\mu L x 50 \ preps$	439.99
A180905-200	Apostle MiniGenomics Genomic DNA Isolation – FFPE Fast Kit	$200~\mu Lx200~preps$	1,609.99
A181220-50	${\it ApostleMiniGenomicsGenomicDNAIsolation-GenitalTractSwabFastKit}$	$200~\mu L~x~50~preps$	425.99
A181220-200	$\label{eq:apostle} Apostle {\rm MiniGenomicsGenomicDNAIsolation-GenitalTractSwabFastKit}$	$200~\mu Lx200~preps$	1,549.99
A180910-50	Apostle MiniGenomics Genomic DNA Isolation – Saliva Fast Kit	$1 \mathrm{mL} \mathrm{x} 50 \mathrm{ preps}$	435.20
A180910-200	Apostle MiniGenomics Genomic DNA Isolation – Saliva Fast Kit	$1 \mathrm{mL} \mathrm{x} 200 \mathrm{ preps}$	1,577.60
A181230-50	Apostle MiniGenomics Genomic DNA Isolation – Stool (Microbe) Fast Kit	$200~\mu L x 50 preps$	435.99
A181230-200	Apostle MiniGenomics Genomic DNA Isolation – Stool (Microbe) Fast Kit	$200~\mu L x 200 preps$	1,589.99
A181206-50	Apostle MiniGenomics Genomic DNA Isolation – Stool Fast Kit	$200~\mu Lx50~preps$	435.99
A181206-200	Apostle MiniGenomics Genomic DNA Isolation – Stool Fast Kit	$200~\mu L x 200 preps$	1,589.99
A180904-50	Apostle MiniGenomics Genomic DNA Isolation – Tissue Fast Kit	$200~\mu Lx50~preps$	429.99
A180904-200	Apostle MiniGenomics Genomic DNA Isolation – Tissue Fast Kit	$200~\mu L x 200 preps$	1,569.99
A181229-50	Apostle MiniGenomics Genomic DNA Isolation – Virus Fast Kit	$200~\mu Lx50~preps$	429.99
A181229-200	Apostle MiniGenomics Genomic DNA Isolation – Virus Fast Kit	$200~\mu L x 200 preps$	1,569.99
A180903-50	Apostle MiniGenomics Genomic DNA Isolation – Whole Blood Fast Kit	$200~\mu Lx50~preps$	722.50
A180903-200	Apostle MiniGenomics Genomic DNA Isolation – Whole Blood Fast Kit	$200~\mu L x 200 preps$	2,643.84



Apostle MiniGenomics Genomic DNA Kit

- Novel and original magnetic technology for DNA absorption and releasing.
- Superb extraction performance.
- Various sample types: FFPE / genital tract swab / saliva / stool microbe / stool / tissue / virus / whole blood samples.
- Special reagent for effectively enhancing the quality of DNA of challenging samples.
- Compatible with multiple high-throughput $\,automated\,nucleic\,acid\,extraction\,\,platforms.$

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</p>

Empowering Research, Diverse Applications

- gDNA extraction from challenging samples
- Hepatocellular carcinoma detection
- Early lung cancer detection

Trusted by Leading Institutions

- 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)



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

Apostle MiniGenomics Viral Total NA Isolation Kit



- For fast extraction and purification of viral nucleic acids from various kinds of biological samples collected in multiple transport media.
- Novel and original magnetic nanoparticle technology and nucleic acids isolation
 - Sample types: swabs / saliva / blood.
- Optimized standardized protocol for viral total NA isolation in 30 minutes without heating.
- $\bullet \quad Compatible with multiple high-throughput \ automated nucleic \ acid \ extraction \ platforms.$

Urine DNA Isolation Kit



Apostle MiniGenomics High Efficiency Urinary Tract Microbiota DNA Isolation Kit



- Designed for isolation of microbial DNA from urine samples.
- Using proprietary Apostle MiniGenomics technology, offering highly efficient, reproducible recovery of high-quality bacterial DNA with high yield.
- The isolated DNA samples are suitable for a broad range of subsequent applications, including sequencing, PCR, etc.
- Especially for samples with extreme low dilute bacteria concentration, centrifugal and concentration pretreatment could increase the total microbial DNA product.
- For urine samples with a broad range of bacteria concertation (from $10^6 to 10^1 cfu/mL$), this kit isolates microbial DNA with steady recovery and high efficiency, and no significant PCR inhibitors remain in the DNA product.

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	$1~{ m mLx50~preps}$	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	$1~{ m mL}{ m x}50~{ m preps}$	1,360.00



Apostle MiniMax High Efficiency Cell-Free RNA Isolation Kit

- Offer superior isolation efficiency of cell-free RNAs between 17 nt to $1000\,{\rm nt},$ without phenol or chloroform.
- Ready for a broad range of subsequent applications, including sequencing, PCR, etc.
- Suitable for processing samples collected in various major blood collection tubes, especially which will prevent RNA degradation during storage.

Total RNA Isolation Kits

Cat. No.	Product Name	Spec	Price (\$)
A220412-50	Apostle MiniGenomics Total RNA Isolation Kit	50 preps	289.00
A220412-200	Apostle MiniGenomics Total RNA Isolation Kit	200 preps	989.00



Apostle MiniGenomics Total RNA Isolation Kit

- Utilizing Apostle proprietary MiniMax technology to deliver rapid, reliable, and high-yield purification of total RNA.
- Suitable for processing samples collected in various samples, including blood, cultured cells and tissue.
- Superior performance: consistent and reproducible RNA yields for dependable downstream applications.
- Downstream compatibility: isolated RNA is ready-to-use for diverse applications, including sequencing, PCR, and more.

Apostle Total RNA/cfRNA Extraction & Automation Solutions

Total RNA / cfRNA Extraction and Automation



MiniMax Cell-free RNA Isolation Kit

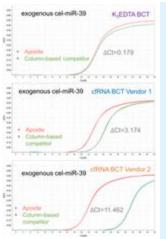
MiniMax Total RNA Isolation Kit

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

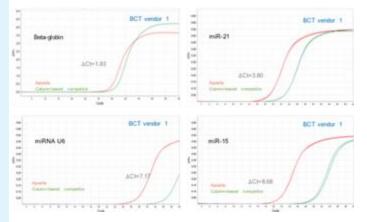
Product Information



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 TM 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.

Purification & Size Selection Kits

Cat. No.	Product Name	Spec	Price (\$)
A190607-5	$\label{eq:approx} A postle \ MiniEnrich \ Carboxyl \ Beads \ for \ Purification \ (AMPure \ XP \ alternative)$	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 MiniEnrich Carboxyl Beads for Purification (AMPure XP alternative)



- Designed for purification and clean-up of DNA fragments from the contaminants in NGS and molecular biology workflows.
- Compatible with your current workflows.
- Enhanced performance for specific removal of non-target fragments.
- Utilizing novel magnetic nano-particles structure and proprietary surface chemistry.
- Significantly improved magnetic response for less pelleting time and less beads carry over.
- An effective alternative to AMPure XP. AMPure XP is a brand name owned by Beckman Coulter.
- This product is not manufactured by Beckman Coulter.



Apostle MiniEnrich Carboxyl Beads for Size Selection (SPRI alternative)

- Designed for size selection of DNA fragments from a mixture of DNA with various sizes, which potentially benefits downstream assays, such as NGS and other molecular biology workflows.
- Can be used on samples before or after DNA fragmentation, ligation, or library amplification during NGS library preparation workflow.
- Compatible with your current workflows.
- Enhanced performance for specific removal of non-target fragments.
- Utilizing novel magnetic nano-particles structure and proprietary surface chemistry.
- Significantly improved magnetic response for less pelleting time and less beads carry over.
- An effective alternative to SPRI beads. SPRI is a brand name owned by Beckman Coulter.
- This product is not manufactured by Beckman Coulter.

Apostle Laboratory Supplies

- 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





Cell Biology Supplies

Cat. No.	Product Name	Spec	Quantity	Price (\$)
Cell Culture	Dishes			
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

Cell Culture Dishes

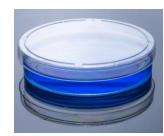
- Tissue Culture (TC) Treated to improve cell attachment and growth
- Material: polypropylene (PP)
- Graduations are molded-in and easy to read
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- Dish Diameters: 35 mm / 100 mm
- Packaging: bulk / individual



C0110-35 35 mm



C0110-35W 35 mm Individually wrapped



C0110-100 100 mm



C0110-100W 100 mm Individually wrapped

Cell Biology Supplies

Cell Diolo	Jgy Supplies		175 CM*	225 CMP
Cat. No.	Product Name	Spec	Quantity	Price (\$)
Cell Culture	Flasks			
C0120-25V	TC-treated Cell Culture Flasks, Vent Cap	$25~{ m cm}^2$	100 pcs	109.99
C0120-25VW	$\operatorname{TC-treated}$ Cell Culture Flasks, Vent Cap (Individually wrapped)	$25~{ m cm}^2$	100 pcs	129.99
C0120-25S	TC-treated Cell Culture Flasks, Seal Cap	$25~{ m cm}^2$	100 pcs	109.99
C0120-25SW	TC-treated Cell Culture Flasks, Seal Cap (Individually wrapped)	$25~{ m cm}^2$	100 pcs	129.99
C0120-75V	TC-treated Cell Culture Flasks, Vent Cap	$75~{ m cm}^2$	100 pcs	109.99
C0120-75VW	$\operatorname{TC-treated}$ Cell Culture Flasks, Vent Cap (Individually wrapped)	$75~{ m cm}^2$	100 pcs	139.99
C0120-75S	TC-treated Cell Culture Flasks, Seal Cap	$75~{ m cm}^2$	100 pcs	109.99
C0120-75SW	TC-treated Cell Culture Flasks, Seal Cap (Individually wrapped)	$75~{ m cm}^2$	100 pcs	139.99
C0120-175V	TC-treated Cell Culture Flasks, Vent Cap	$175~{ m cm}^2$	30 pcs	69.99
C0120-175VW	$\operatorname{TC-treated}$ Cell Culture Flasks, Vent Cap (Individually wrapped)	$175~{ m cm}^2$	60 pcs	159.99
C0120-175S	TC-treated Cell Culture Flasks, Seal Cap	$175~{ m cm}^2$	30 pcs	69.99
C0120-175SW	TC-treated Cell Culture Flasks, Seal Cap (Individually wrapped)	$175~{ m cm}^2$	60 pcs	159.99
C0120-225V	TC-treated Cell Culture Flasks, Vent Cap	$225~{ m cm}^2$	25 pcs	79.99
C0120-225S	TC-treated Cell Culture Flasks, Seal Cap	$225~{ m cm}^2$	25 pcs	79.99

Cell Culture Flasks

- Tissue Culture (TC) Treated to improve cell attachment and growth
- Material: polypropylene (PP)
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- · Graduations are molded-in and easy to read
- Flask culture area sizes: $25 \text{ cm}^2 / 75 \text{ cm}^2 / 175 \text{ cm}^2 / 225 \text{ cm}^2$
- Captypes: vent / seal
- Packaging: bulk / individual



 $\begin{array}{c} \textbf{C0120-25V} \\ 25 \text{ cm}^2, \text{Vent cap} \end{array}$



C0120-25VW 25 cm², Vent cap Individually wrapped



C0120-25SW 25 cm², Seal cap Individually wrapped



175 CM²

 $\begin{array}{c} \textbf{C0120-225S} \\ 225 \text{ cm}^2, \text{Seal cap} \end{array}$

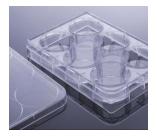
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Cell Biology Supplies

Cat. No.	Product Name	Spec	Quantity	Price (\$)
Cell Culture	Plates			
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

Cell Culture Plates

- Tissue Culture (TC) Treated to improve cell attachment and growth
- Material: polypropylene (PP)
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- Cell arrangements: 6-well /12-well / 24-well / 48-well / 96-well / 384-well
- Bottom types: flat-bottom / U-bottom
- Packaging: individual package



C0130-6 6-well, Flat-bottom Individually wrapped



C0130-24 24-well, Flat-bottom Individually wrapped



C0130-96 96-well, Flat-bottom Individually wrapped



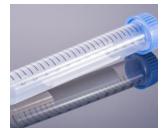
C0130-96U 96-well, U-bottom Individually wrapped

Tubes & Vials

Tubes & Viais			A.	
Cat. No.	Product Name	Spec	Quantity	Price (\$)
Conical Cent	rifuge Tubes			
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	$500 \ \mathrm{pcs}$	69.99
C0210-15WV	Conical Sterile Centrifuge Tubes (Individually wrapped)	$15 \mathrm{mL}$	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

Conical Centrifuge Tubes

- Material: polypropylene (PP)
- Precision molded from premium-grade, chemically insert plastics
- Polyethylene screw caps with molded-in sealing rings and heavy-duty thread
- Graduations are molded-in and easy to read
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- Freezable and refrigerable down to -80°C
- Centrifuge up to 12,000g
- Volumes: 15 mL / 50 mL
- Packaging: bulk / rack / blister-box / individual



C0210-15B 15 mL, Bulk



C0210-15BV 15 mL, Blister-box



C0210-15R 15 mL, Racked



C0210-15WV 15 mL, Individually wrapped

Tubes & Vials

Cat. No.	Product Name	Spec	Quantity	Price (\$)
Safe-Lock C	entrifuge Tubes			
C0220-15	Safe-Lock Sterile Centrifuge Tubes	$1.5~\mathrm{mL}$	$500 \ \mathrm{pcs}$	19.99
C0220-15L	Safe-Lock Sterile Centrifuge Tubes (Low-retention)	1.5 mL	$500 \ \mathrm{pcs}$	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	$500 \ \mathrm{pcs}$	29.99
Cryogenic S	torage Vials			
C0310-15	Cryogenic Storage Vials	$1.5 \mathrm{mL}$	$50 \ \mathrm{pcs}$	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

Safe-Lock Centrifuge Tubes | Cryogenic Storage Vials

- Material: polypropylene (PP)
- Precision molded from premium-grade, chemically insert plastics
- Graduations are molded-in and easy to read
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- Freezable and refrigerable down to $\text{-}80^{\circ}\mathrm{C}$
- Centrifuge up to 12,000g
- Self-lock centrifuge tubes: low-retention available
- Volumes: 1.5 mL/2.0 mL
- Packaging: bulk / individual



C0220-15 1.5 mL



C0220-15L 1.5 mL, Low-retention



C0315-20W 2.0 mL, Individually wrapped

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

PCR Tubes | PCR Plates

- Material: polypropylene (PP)
- Thin-wall design for optimal heat transfer
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- $\bullet \quad PCR \ tubes; compatible with \ all \ popular \ brands \ of \ thermal \ cyclers$



C0410-20L 0.20mL, Single-tube



C0420-20 0.20 mL, 8-strip Hinged-cap



C0430-20 0.20 mL, 8-strip Individual-cap



C0440-20TH 0.20 mL, Half-skirted

PCR Sealing Film

- · Not stick firmly when touched lightly, avoid adhesion to skin or gloves
- · Fit firmly with the PCR reaction plate when pressure is applied, avoid sample contamination or splashing
- After the reaction, the sealing film can be easily torn off
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- Suitable for 96-well or 384-well PCR reaction plates
- Temperature: -70°C to 120°C



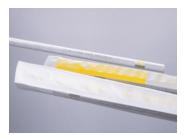
C0450-25FQ 0.1 mm high permeability film

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

Serological Pipets

- Material: polystyrene (PS)
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- Each serological pipet with a unique traceable barcode
- Compatible with most brands of electronic pipets
- Individually packaged with paper and plastic wraps
- Volumes: 1 mL / 2 mL / 5 mL / 10 mL / 25 mL



C0510-1 1 mL



C0510-10 10 mL

Universal Pipet Tips

Cat. No.	Product Name	Spec	Quantity	Price (\$)
Universal N	on-Filtered Pipet Tips			
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	$50 \ \mathrm{pcs}$	94.99
C0720-200	Universal Sterile Non-Filtered Pipet Tips (96 tips / rack)	$200 \ \mu L$	50 pcs	89.99
C0720-1000	Universal Sterile Non-Filtered Pipet Tips (96 tips / rack)	1000 µL	$50 \ \mathrm{pcs}$	129.99
C0720-1250	Universal Sterile Non-Filtered Pipet Tips (96 tips / rack)	$1250~\mu L$	50 pcs	149.99
Filtered Pip	et Tips			
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)	$20~\mu L$	50 pcs	126.99
C0710-20L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	20 µL	$50 \ \mathrm{pcs}$	154.99
C0710-100	Universal Sterile Filtered Pipet Tips (96 tips / rack)	$100 \mu L$	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)	$200 \mu L$	50 pcs	129.99
C0710-200L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	200 µL	$50 \ \mathrm{pcs}$	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	$50 \ \mathrm{pcs}$	159.99
C0710-1250	Universal Sterile Filtered Pipet Tips (96 tips / rack)	$1250 \mu L$	$50 \ \mathrm{pcs}$	149.99
C0710-1250L	Universal Sterile Filtered Pipet Tips (96 tips / rack, Low-retention)	$1250~\mu L$	50 pcs	169.99

Gel-loading Pipet Tips

Universal Pipet Tips

- Material: polypropylene (PP)
- Sterilized by gamma-irradiation, nuclease (DNase/RNase) free
- Filtered / Non-Filtered
- Low-retention available
- Extended available
- 96 tips per rack
- Specs: $10\,\mu L$ / $20\,\mu L$ / $100\,\mu L$ / $200\,\mu L$ / $1000\,\mu L$ / $1250\,\mu L$



C0720-200 200 μL, Non-filtered

Cell-Free DNA 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	$3\mathrm{mL}$	100 pcs	359.99
A17911-3	Apostle MiniMax cfDNA Preservative	$3\mathrm{mL}$	1 tube	75.00

cfDNA Blood collection Tubes

- Powered by Apostle MiniMaxtechnology
- Designed for blood cfDNA preservation during blood collection, storage and transport
- Prevent the release and contamination of genomic DNA from cells in blood during storage and transportation
- $\bullet \quad {\rm Preserve\ existing\ cfDNA\ in\ blood\ from\ degradation}$
- Prevent existing cfDNA in blood from cross-linking with with other biomolecules (i.e., protein)





A221012-100 3 mL



A17911-3 Preservative, 3 mL

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

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Cat. No.	Product Name	Spec	Quantity	Price (\$)
ELISA-relat	ed Supplies			
C1010-10	ELISA Plates	96-Well	50 pcs	99.99
Western Blo	tting-related Supplies			
C0915-20	PVDF Transfer Membranes	0.22 μm / 7x9 cm	10 pcs	49.99
C0915-45	PVDF Transfer Membranes	0.45 μm / 7x9 cm	10 pcs	59.99
C0910-20	PVDF Transfer Membranes	0.22 μm / 13.25x15 cm	1 pc	17.99
C0910-45	PVDF Transfer Membranes	0.45 μm / 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	$50 \mathrm{x} 50 \mathrm{mm}$	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	М	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



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Instruments

Cat. No.	Product Name	Spec	Price (\$)			
Nucleic Acid Extraction Automation						
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			
Spectrophotometer + Fluorometer						
A202311	Apostle NanoFlex 800 Micro-Spectrophotometer + Fluorometer	200-800 nm	8,975.25			
Viral DNA/RNA Isolation Automation						
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			

$Nucleic\,Acid\,Extraction\,Automation-MagTouch\,Series$

- · Used for fast extraction and purification of nucleic acids from various kinds of biological samples
- Robust: used for extracting over 20,000,000 samples since 2020
- $\bullet \quad High \ quality : equal \ or \ better \ results \ compared \ to \ other \ brands$
- MagTouch 3000: world-first large-volume nucleic acid extraction automation system
- Available automation protocols: gDNA isolation/ RNA isolation/ cfDNA isolation/ viral NA isolation etc.



A201126-24 MagTouch 2000



A202402-24 MagTouch 3000

Redefine cfDNA Extraction Automation

MagTouch 3000: world 1st Large-Volume Automated cfDNA extractor

World 1st 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



CLIA Laboratory Services

Cat. No.	Product Name	Spec	Price (\$)			
cfDNA/cfRNA Isolation Services						
A17622-SR-1	cfDNA Isolation Service (Laboratory Service)	1 sample	60.00			
A18312-SR-1	cfRNA Isolation Service (Laboratory Service)	1 sample	60.00			
Clinical Laboratory & CRO Services						
A23592-SR-1	Clinical Laboratory & CRO Services (Laboratory Service)	Contact <u>support@apostlebio.com</u>				



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 Healthy Laboratory License State of California, Department of Public Health 2023-2024

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1. Online order

You can directly place an order online at our web site <u>https://apostlebio.com</u>. You can choose to pay for the order using a credit card or choose to pay for the order later using a bank transfer (bank information is provided during the checkout).

2. Order using a PO

You can contact our sales and support department and send us a PO (purchase order) to place an order. Our sales and support department can be reached by email: support@apostlebio.com or phone: (M-F: 9:00AM - 6:00PM PT)).

3. For academic, non-profit institutions or government

Contact us by email: <u>support@apostlebio.com</u> or phone: <u>(888) 305-3218</u> (M-F: 9:00AM - 6:00PM PT) for pricing and tax-exempt status.

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