

# Apostle MiniGenomics® RNA Isolation and Automation Solution



MiniGenomics® Total RNA Isolation Kit



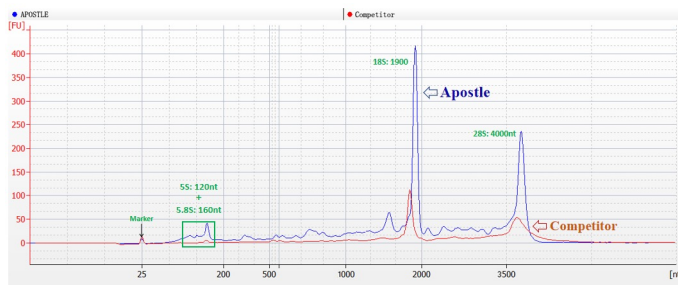
MagTouch® 2000 System

**Apostle MiniGenomics Total RNA Isolation Kit** is a revolutionary product designed to streamline your RNA isolation workflow. This innovative kit utilizes Apostle proprietary MiniMax technology to deliver rapid, reliable, and high-yield purification of total RNA from various samples, including blood, cells, and tissue.

## Features

- **Fast and Efficient:** Isolate high-quality RNA in minutes, minimizing sample degradation.
- **Superior Performance:** Achieve consistent and reproducible RNA yields for dependable downstream applications.
- **Broad Sample Compatibility:** Suitable for a variety of sample types, offering purification flexibility.
- **Multiple Formats:** Perform RNA isolation in both 96-well plate (manual and automated) and single tube (manual) formats for seamless integration into your workflow.
- **Downstream Compatibility:** Isolated RNA is ready-to-use for diverse applications like sequencing, PCR, and more.
- **Simplified Protocol:** Streamlined protocol ensures easy and efficient RNA isolation.
- **High Purity:** Purified RNA is free from genomic DNA and protein contamination for reliable downstream results.

## Performance



**Exhibit 1. Total RNA was extracted from EDTA blood samples (stored at 4°C for over 10 days) of 2 volunteers (Z/L) by Apostle MiniGenomics Blood Total RNA Isolation kit and column-based competitor (T).** Qualitative and quantitative analysis of the extracted RNA from the blood samples was performed on Nanodrop and Agilent Bioanalyzer 2100. Compared to the well-known competitor, Apostle MiniGenomics technology demonstrates a higher blood total RNA yield and a more distinct fragment pattern, with small transcript peaks as 5S and 5.8S and comparable RIN value sufficient for PCR and NGS applications.

Sample number	Z1	Z2	Z3	Z4	Z5	L1	L2	L3	L4	L5
Aliquot	5 aliquots from one volunteer					5 aliquots from one volunteer				
Kit brand	Apostle					Competitor				
Blood Input	100					100				
Elution Volume (µL)	45					45				
Concentration (ng/µl)	22.5	21.1	22.2	2.9	3.0	20.4	21.8	21.2	2.5	2.1
OD A260/A280	2.00	1.99	2.01	2.08	1.89	2.01	2.00	2.00	1.92	2.00
Yield (ng)	1013	946	999	131	135	918	981	954	113	95

## Order information

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



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