



FastPure Cell/Tissue Total RNA Isolation Kit V2

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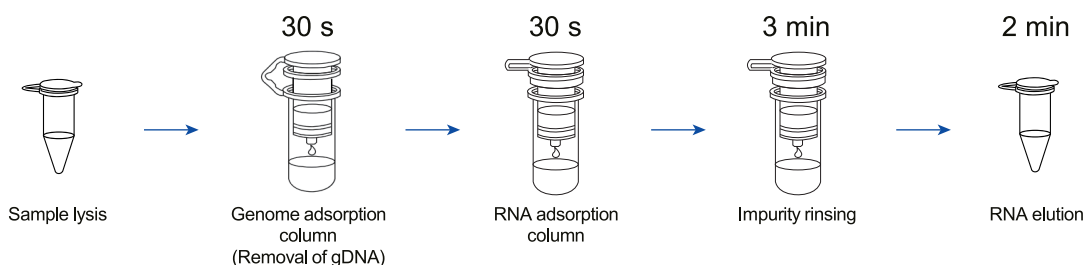
50 rxns

RC112-01

Column Extraction, Safe and Fast

FastPure Cell/Tissue Total RNA Isolation Kit V2 is a kit that can quickly extract total RNA from animal tissues or cells. The kit is based on the silica gel column purification technology that eliminates the need to use toxic phenol/chloroform and β -mercaptoethanol to extract high-quality RNA during the extraction process, and maximizes the removal of DNA, miscellaneous proteins and other inhibitory impurities. The entire extraction process only requires 6 min. The product can be used for various downstream experiments, including RT-PCR, real-time PCR and microarray analysis.

- **Safe and non-toxic** No need for β -mercaptoethanol, phenol, chloroform or any other toxic and harmful reagents.
- **Fast** It only requires 6 min at room temperature.



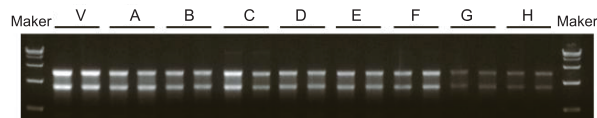
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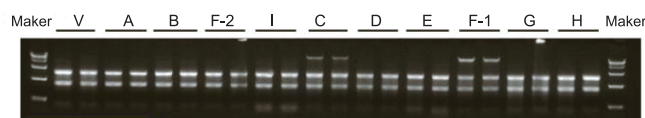
High quality RNA of good integrity



Maker: DL15000 DNA Marker (Vazyme #MD101)

Rat liver tissue, 1.2% agarose gel, loading volume 1 μ L

Figure A (1)



Maker: DL15000 DNA Marker (Vazyme #MD101)

HEK 293 cells, 1.2% agarose gel, loading volume 1 μ L

Figure A (2)

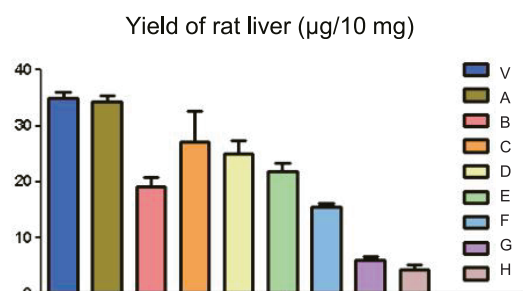


Figure B (1)

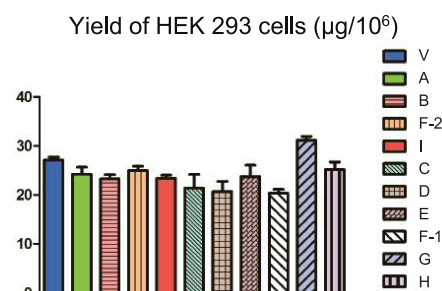
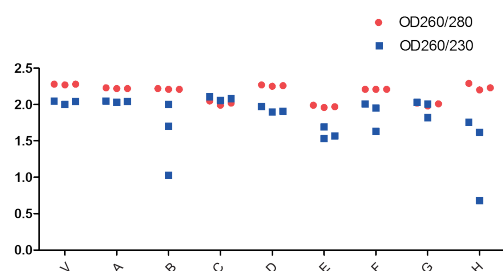
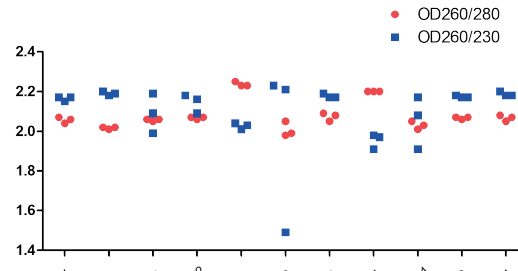


Figure B (2)



Rat liver tissue-statistical chart of RNA purity results

Figure C (1)

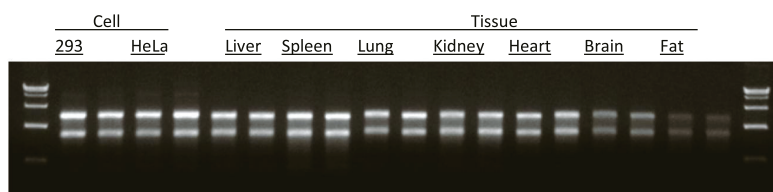


HEK 293 cells-statistical chart of RNA purity results

Figure C (2)

Vazyme #RC112 ('V' in the following figures) and commercially available related products (from suppliers A, B, C, D, E, F and G respectively) were used to extract total RNA from the rat liver tissue (10 mg) and HEK 293 cell (1×10^6) samples according to the respective Instructions for Use. Figure A is the agarose gel electrophoretogram of the extracted RNA, while Figures B and C are the statistical charts of RNA concentration and purity results. As shown in the figures, RNA extracted by Vazyme #RC112 has good integrity, high yield and high purity.

Wide sample applicability



Note: The sample type involved in the figure includes HEK 293 cells, HeLa cells, rat (liver, spleen, lung, kidney, heart, brain tissue) and mouse (adipose tissue).

Vazyme #RC112 was used for the RNA extraction and purification of different samples, and the final RNA product was detected by agarose gel electrophoresis. It shows that Vazyme #RC112 is well compatible in the extraction of RNA from different cell and animal tissue samples.