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QIAamp Viral RNA Mini Kit



For isolation of viral RNA from cell-free body fluids

- Rapid isolation of high-quality, ready-to-use RNA
- No organic extraction or alcohol precipitation
- Consistent, high yields
- Complete removal of contaminants and inhibitors

The QIAamp Viral RNA Mini Kit simplifies purification of viral RNA from cell-free body fluids with fast spin-column or vacuum procedures. Viral RNA binds specifically to the QIAamp silica membrane, and pure viral RNA is eluted in either water or a buffer provided with the kit.

Purification can be fully automated on the [QIAcube Connect](#).

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Cat No./ID: 1020953

Buffer AVE (108 x 2 ml)

Buffer AVE for elution of RNA

\$477.00

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Cat No./ID: 52904

QIAamp Viral RNA Mini Kit (50)

\$271.00

For 50 RNA preps: 50 QIAamp Mini Spin Columns, carrier RNA, Collection Tubes (2 ml), RNase-free buffers

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Cat No./ID: 52906

QIAamp Viral RNA Mini Kit (250)

\$1,170.00

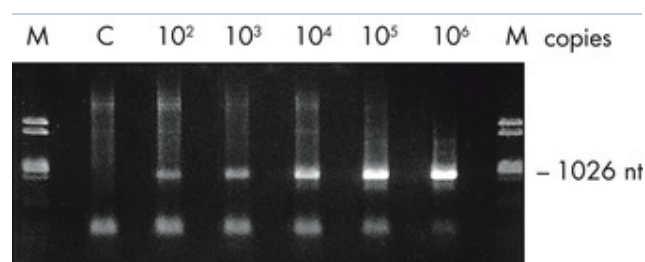
IMPORTANT: Packaging of this kit is optimized for the global fight against COVID19 caused by the coronavirus (SARS-CoV-2). Only kit format available is 250 prep version. See [Important Note](#) for details.

[Order Product](#)

For 250 RNA preps: 250 QIAamp Mini Spin Columns, Carrier RNA, Collection Tubes (2 ml), RNase-free buffers

The QIAamp Viral RNA Mini Kit is intended for molecular biology applications. This product is not intended for the diagnosis, prevention, or treatment of a disease.

Product Details



Amplification of RNA from plasma.

RT-PCR products of a 1026 nt RNA fragment purified from plasma. Serial tenfold dilutions (as indicated) were added to plasma and purified using the QIAamp Viral RNA Mini Kit. **M**: markers; **C**: negative control.



Performance

The high-quality viral RNA isolated using the QIAamp Viral RNA Mini Kit performs well in a wide range of downstream applications, including viral genotyping, viral epidemiology, and infectious disease research (see figure "[Amplification of RNA from plasma](#)").

Principle

The QIAamp Viral RNA Mini Kit simplifies isolation of viral RNA from cell-free body fluids with fast spin-column or vacuum procedures. No phenol–chloroform extraction is required. Viral RNA binds specifically to the QIAamp silica membrane while contaminants pass through. PCR inhibitors, such as divalent cations and proteins, are completely removed in two efficient wash steps, leaving pure viral RNA to be eluted in either water or a buffer provided with the kit.

QIAamp RNA technology yields viral RNA from cell-free body fluids ready to use in RT-PCR and blotting procedures. QIAamp sample preparation technology is fully licensed.

Procedure

Optimized buffers and enzymes lyse samples, stabilize nucleic acids, and enhance selective RNA adsorption to the QIAamp membrane. To guarantee RNA integrity, samples are lysed under highly denaturing conditions to inactivate RNases. Alcohol is added and lysates loaded onto the QIAamp spin column. Wash buffers are used to remove impurities and pure, ready-to-use RNA is then eluted in water or low-salt buffer.

The QIAamp Viral RNA Mini Kit is automatable on the QIAcube. The QIAamp Viral RNA Mini Accessory Set provides the additional buffers and reagents needed for automated, low-throughput sample prep using both QIAcube and QIAamp Viral RNA Mini Kit.

Vacuum processing

For greater speed and convenience in RNA purification, samples can be processed by vacuum instead of centrifugation. QIAamp Mini spin columns (see figure "[QIAamp Viral RNA Mini spin column](#)") are accommodated on the QIAvac 24 manifold using VacValves and VacConnectors, provided in the QIAamp Vac Accessory Set. VacValves should be used if sample flow rates differ significantly, in order to ensure consistent vacuum. Disposable VacConnectors are used to avoid any cross-contamination.



Plasma and serum
CSF
Urine
Other cell-free body fluids
Cell-culture supernatants

Specifications

Features	Specifications
Applications	PCR, qPCR, real-time PCR
Elution volume	50 µl
Format	Spin columns
Main sample type	Liquid media
Processing	Manual (centrifugation or vacuum)
Purification of total RNA, miRNA, poly A+ mRNA, DNA or protein	Viral RNA
Sample amount	140 µl



Technology	Silica technology
Time per run or per prep	20–40 minutes
Yield	>90% recovery

Product Resources

Brochures & Guides (1)

FAQs (8)

Kit Handbooks (2)

User-Developed Protocols (2)

Safety Data Sheets (4)

References (63)

Customers who bought these products also bought

Cat No./ID: 1017647

Cat No./ID: 57704

Cat No./ID: 972812



Carrier RNA(poly A) 12x1350µg-15-25°C,KG

Carrier RNA(poly A) 12x1350µg-15-25°C,KG

\$234.00

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QIAamp MinElute Virus Spin Kit (50)

For 50 minipreps: 50 QIAamp MinElute Columns, QIAGEN Protease, carrier RNA, buffers, Collection Tubes (2 ml)

\$295.00

[Add To Cart](#)



PyroMark Gold Q96 SQA Reagents (1 x 96)

For performing Pyrosequencing reactions on the PyroMark Q96 ID

\$242.00

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