

What secrets are hidden in exosomes?

Insights into microvesicle cargo



exoRNeasy — exosome RNA analysis made simple

Powered by
exosome
diagnostics

Still slogging through ultracentrifugation to get at the contents of exosomes and other extracellular vesicles?

There's a better way. The new exoRNeasy Serum/Plasma Maxi Kit:

- Quickly isolates purified total RNA from microvesicles
- Enables use of high input volumes for sensitive detection of low-abundance transcripts
- Efficiently isolates mRNA and miRNA from plasma or serum
- Specifically enriches for RNA contained in vesicles
- Processes multiple parallel samples with a convenient spin-column procedure



Discover the hidden messages in microvesicles

What are your cells saying to each other? The answer lies in exosomes and other microvesicles — nano-sized, cell-derived vesicles in biofluids that transport RNA (including miRNA and mRNA) and proteins. Exosome contents vary depending on the cell of origin, and to find out what's in them and explore their functional relevance, effective isolation and purification is a must.

exoRNeasy Serum/Plasma Maxi Kit: a novel, efficient workflow

The exoRNeasy Serum/Plasma Maxi Kit uses membrane affinity spin columns to efficiently isolate RNA from exosomes and other extracellular vesicles extracted from serum or plasma. The maxi column format enables the use of large sample volumes (up to 4 ml) to detect low-abundance RNAs with high confidence. The results are fast, consistent, and highly suited to sensitive downstream applications, unlike traditional ultracentrifugation methods. exoRNeasy expands QIAGEN's Sample & Assay Technologies for circulating biomarker identification.

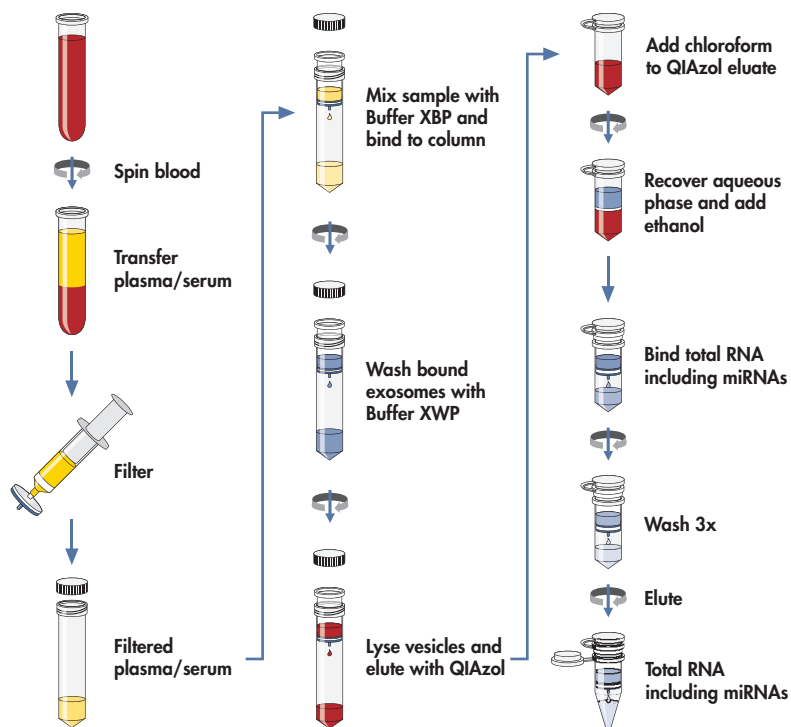


Figure 1. The exoRNeasy Serum/Plasma Maxi Kit workflow — sample to microvesicles to total RNA, in just 1 hour. Starting with filtered plasma, the exoRNeasy Serum/Plasma Maxi Kit provides microvesicle isolation in just 20 minutes. A subsequent 35-minute isolation procedure yields total RNA. Just one hour from sample to microvesicle RNA means you can spend less time getting the RNA, and more time deciphering what it means.

Ordering Information

Product	Contents	Cat. no.
exoRNeasy Serum/Plasma Maxi Kit (50)	For purification of total exosome-derived RNA from serum/plasma; includes 50 exoEasy columns and 50 RNeasy® MinElute® spin columns.	77064

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

For more information, please visit www.qiagen.com/exosome

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