

Goodbye phenol, hello high yields!



The new **miRNeasy® Serum/Plasma Advanced Kit** brings safety and convenience to miRNA purification. With this new kit, the tedious phenol phase separation step is gone, so now you can easily isolate high yields of high-quality miRNA from plasma and serum samples without having to handle hazardous materials in a chemical fume hood.

The miRNeasy Serum/Plasma Advanced Kit features:

- Easy, spin-column based protocol
- No laborious phase separation or working under the hood
- Lysis and precipitation buffers to ensure total miRNA recovery from serum/plasma
- Efficient removal of protein contaminants
- Optimal miRNA yields from minimal plasma amounts (200 µl)
- MinElute columns to allow small elution volumes
- UCP treatment enables ultraclean eluates for use in sensitive downstream applications

Optimal RNA yields from small sample volumes

The miRNeasy Serum/Plasma Advanced Kit enables the isolation of total RNA, including miRNA, from serum or plasma samples with no need for a phenol-chloroform step and no compromise on yields (Figure 1). The simple, spin-column based protocol includes dedicated lysis and precipitation buffers that ensure optimal miRNA yields from minimal sample volumes of 200 μ l (Figure 2). Ultraclean production (UCP) MinElute columns allow for minimal volumes of ultraclean eluates to capture the complete sample complexity in any downstream assay.

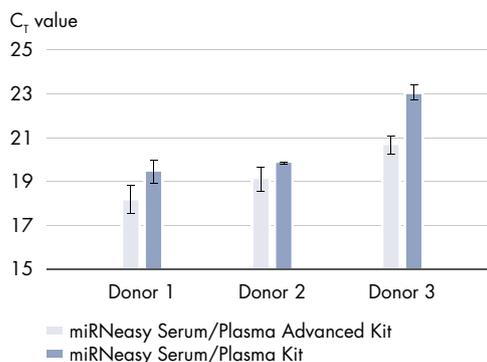


Figure 1. High recovery of miRNA without the need for phenol.

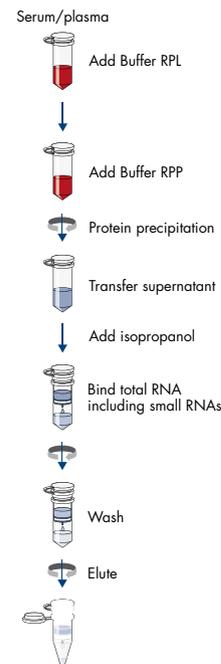


Figure 2. miRNeasy Serum/Plasma Advanced workflow.

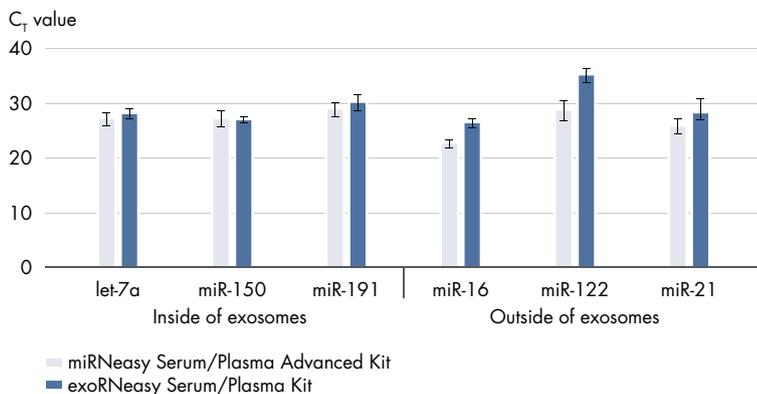


Figure 3. Efficient lysis enables detection of miRNAs in and outside of extracellular vesicles.

Advanced chemistry for in depth analysis

The miRNeasy Serum/Plasma Advanced chemistry also lyses extracellular vesicles to allow the analysis of all serum/plasma RNA in and outside of vesicles. (Figure 3).

Ordering Information

Product	Contents	Cat. no.
miRNeasy Serum/Plasma Advanced Kit (50)	50 RNeasy UCP MinElute Columns, Collection Tubes (1.5 ml and 2 ml), RNase-free Reagents and Buffers	217204

Visit www.qiagen.com or contact QIAGEN today and learn more about the miRNeasy Serum/Plasma Advanced Kit! 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.

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