

BioVendor RNA Isolation Kit



BioVendor RNA isolation kits are designed for the purification of small and large RNA including miRNA. Validated for use with a variety of samples including whole blood, plasma, serum, cultured cells and tissues, these kits are ideal for use with BioVendor miRia products.

BENEFITS

- Purification of total RNA including miRNA
- Optional separation of small RNA (<200 nt) and large RNA (>200 nt) fractions
- Excellent RNA recovery and purity
- Fast isolation – approximately 45 minutes
- No phenol/chloroform extraction necessary
- RNA product suitable for sensitive downstream applications

SPECIFICATIONS

- Silica-membrane technology
- Mini spin columns
- Fragment size: ≥ 18 nt
- Binding capacity 200 μg
- Elution volume 20 – 100 μl
- Sample Requirements:
 - 300 μL plasma or serum
 - < 10^7 cultured cells
 - < 30 mg human/animal tissue
 - < 50 mg plant tissue



Cat. No.	Description	Quantity	Samples
RIK001	RNA Isolation Kit	50 preps	Whole blood, cultured cells and tissues
RIK002	RNA Isolation kit Plasma/Serum	50 preps	Plasma, serum

More information is available at www.biovendor.com/mirna

PURIFICATION PROTOCOLS

- Purification of total RNA
- Fractionation of purified RNA in small RNA and large RNA
- RNA purification from human/animal tissue and cultured cells
- RNA purification from plant tissue
- RNA purification in combination with TRIzol lysis
- Protein fraction for SDS-PAGE or Western Blot analysis

BioVendor RNA isolation kits were used for isolation of total RNA from EDTA plasma, serum, peripheral blood mononuclear cells and whole blood collected to PAXgene tubes. Our experiment proved, that BioVendor RNA isolation kits offer solution for effective and efficient extraction of high quality RNA.

ISOLATION KITS FULFILL HIGH REQUIREMENTS FOR DOWNSTREAM APPLICATIONS

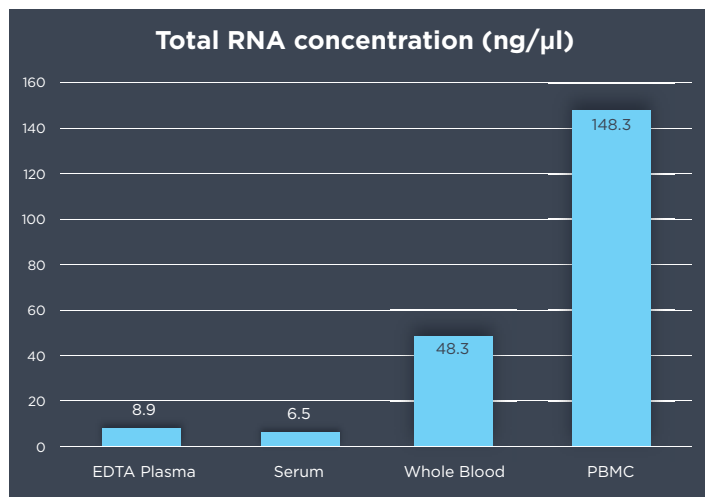


Figure 1: Sample matrix: total RNA isolation

BioVendor RNA isolation kits were used for isolation of total RNA from different matrices.

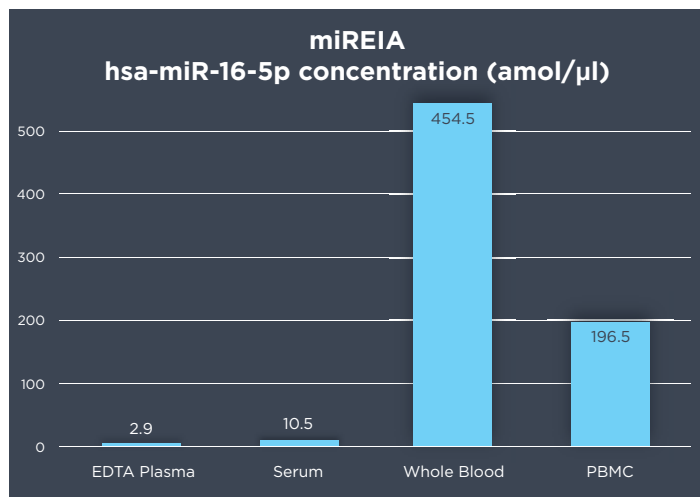


Figure 2: miREIA concentration of hsa-miR-16-5p in different matrices

The purified small RNA, especially miRNAs, were measured by miREIA which provided absolute quantification of hsa-miR-16-5p. hsa-miR-16-5p was measurable in all matrices.

Contact Information

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