



Exosome Extraction & RNA Isolation Kit (For Serum/Plasma)

Cat. No.: EIRK-01

This product is for research use only and is not intended for diagnostic use.

Size	30 reactions; 50 reactions
Storage Conditions	Store separately according to different components of the kit
Shipment Conditions	Gel Pack
Sample Type	Serum/Plasma
Application	Exosome extraction & RNA isolation from urine or plasma. The extracted RNA can be directly used for downstream applications, such as realtime RT-PCR, Northern blot, microarray expression profile analysis, NGS, etc.
Product Introduction	This product is used for exosomal RNA extraction from serum or plasma. The main principle of this kit is to design and modify the resin that specifically binds to the exosomes according to the membrane structure characteristics of the exosomes (lipid bilayer). The extraction and purification of the exosomes are realized by combining with the components of the lipid bilayer of the exosomes, but hardly with other proteins in the samples. Then the total RNA (including mRNA and miRNA) in the isolated exosomes was extracted by phenol/guanidine salt method. By using spin columns, the exosomes RNA could be easily and quickly purified and eluted.

Package Contents	Product Components	30 Assays	50 Assays	Part Number	Storage Conditions
	Equilibration Buffer	15 ml	25 ml	EIRK-01-01	2-8°C
	Binding Buffer	60 ml	50 ml × 2	EIRK-01-02	2-8°C
	Washing Buffer	15 ml	25 ml	EIRK-01-03	2-8°C
	Lysis Buffer A	18 ml	30 ml	EIRK-01-04	2-8°C
	Lysis Buffer B	4.5 ml	7.5 ml	EIRK-01-05	RT
	Wash Solution A	15 ml	15 ml	EIRK-01-06	RT
	Elution Solution A	5 ml	5 ml	EIRK-01-07	RT
	EXO Spin Columns Containing Resin/Collection Tubes 2.0 ml	30	50	EIRK-01-08	RT
	RNA Spin Columns/Collection Tubes 2.0 ml	30	50	EIRK-01-09	RT
	Centrifuge Tubes 1.5 ml	30	50	EIRK-01-10	RT

* Before use, add 45 ml of absolute ethanol to each bottle of Wash Solution A, mix well, and mark "✓" on the bottle label. Close the cap immediately after each use.

User Supplied Reagents and 96-100% ethanol

Equipment
