



## Exosome Extraction & RNA Isolation Kit (For Cell Culture Media/Urine)

Cat. No.: EIRK-02

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

<b>Size</b>	10 reactions; 20 reactions
<b>Storage Conditions</b>	Store separately according to different components of the kit
<b>Shipment Conditions</b>	Gel Pack
<b>Sample Type</b>	Cell Culture Media/Urine
<b>Application</b>	Exosome extraction & RNA isolation from cell culture media or urine. 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 cell culture media or urine. 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	10 Assays	20 Assays	Part Number	Storage Conditions
Binding Buffer C	10 ml	20 ml	EIRK-02-01	2-8°C
Binding Resin C	4 ml	8 ml	EIRK-02-02	2-8°C
Washing Buffer C	10 ml	20 ml	EIRK-02-03	2-8°C
Elution Buffer C	4 ml	8 ml	EIRK-02-04	2-8°C
Lysis Buffer A	4 ml	8 ml	EIRK-02-05	2-8°C
Lysis Buffer B	1.5 ml	3 ml	EIRK-02-06	RT
Wash Solution A	15 ml	15 ml	EIRK-02-07	RT
Elution Solution A	5 ml	5 ml	EIRK-02-08	RT
Spin Columns A/Collection Tubes 2.0ml	10	20	EIRK-02-09	RT
Spin Columns B/Collection Tubes 2.0ml	10	20	EIRK-02-10	RT
Centrifuge Tubes 1.5 ml	10	20	EIRK-02-11	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  
Equipment**

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96-100% ethanol