

Kit Description

The **CatchExo Exosome Isolation Kit - for Serum** is based on precipitation method and provide an easy and quick approach to enrich exosome for a good performance in the subsequent nucleic acid extraction, from as little as 250 µl of human serum. The protocol is user friendly, timesaving (around 1 hour), and does not require high speed centrifuge.

Kit Content

Cat. No.	EX10005	EX10120	
EV Precipitation Buffer	0.5	12	ml
Resuspension Buffer	1.5	25	ml

Kit Storage

The CatchExo Exosome Isolation Kits are shipped at room temperature and should be stored at 4°C upon arrival. Properly stored kits are stable for 1 year from the date received.

Sample Pretreatment

The suggested human sample is serum or body fluid (not tested), otherwise the exosome pellet would become too viscous to re-suspend. For plasma, it's better to do thrombin pretreatment to get serum. Please contact CatchGene Co., Ltd. for thrombin related product information.

For Serum Sample

1. Serum should be stored at -80°C in aliquots until further processing.
2. Before the analyses, thawed serum samples were centrifuged at 3,000g for 15 min to remove cells and cell debris.

General Protocol

1. Pipette 250 µl serum sample into 1.5 ml micro-centrifuge tube (not provided) and add 100 µl EV Precipitation Buffer. Mix by repeat pipetting then briefly spin down.
2. Incubate the mixture on ice for 30 minutes.
3. Centrifuge at 1,500 x g for 30 minutes at 4°C.
4. Aspirate the supernatant to eliminate any residual EV Precipitation Buffer. Briefly respin to collect and remove residual supernatant.
5. Resuspend the exosome pellet in 100-300ul Resuspension Buffer according to the downstream application.
6. Continue miRNA or other nucleic acid extraction with the resuspended pellet using coordinated **CatchGene Kit** or can be stored at -20°C no more than two weeks prior to nucleic acid isolation.

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