# Exosome Extraction & DNA Isolation Kit (For Serum/Plasma)

Cat. No.: EIDK-01

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

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| **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 & DNA isolation from serum or plasma. The extracted DNA can be directly used for PCR and sequencing without precipitate, concentrate or desalt. |
| **Product Introduction** | This product is used for exosomal DNA 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 DNA in the separated exosomes is released by the optimized lysate, and the adsorption column (Spin Columns) method can be used to purify and elute exosome DNA conveniently and quickly. |

**Package Contents**

| Product Components | 30 Assays | 50 Assays | Part Number | Storage Conditions |
|---|---|---|---|---|
| Equilibration Buffer | 15 ml | 25 ml | EIDK-01-01 | 2-8℃ |
| Binding Buffer | 60 ml | 50 ml × 2 | EIDK-01-02 | 2-8℃ |
| Washing Buffer | 15 ml | 25 ml | EIDK-01-03 | 2-8℃ |
| Elution Buffer | 10 ml | 15 ml | EIDK-01-04 | 2-8℃ |
| Lysis Buffer D | 10 ml | 15 ml | EIDK-01-05 | 2-8℃ |
| Wash Solution A | 15 ml | 15 ml | EIDK-01-06 | RT |
| Elution Solution A | 10 ml | 10 ml | EIDK-01-07 | RT |
| Dnase I (1 mg/ml) | 0.5 ml | 1 ml | EIDK-01-08 | -20℃ |
| Proteinase K (20 mg/ml) | 0.5 ml | 1 ml | EIDK-01-09 | 2-8℃ |
| Spin Columns Containing Resin/Collection Tubes 2.0 ml | 30 | 50 | EIDK-01-10 | RT |
| Spin Columns/Collection Tubes 2.0 ml | 30 | 50 | EIDK-01-11 | RT |
| Centrifuge Tubes 1.5 ml | 30 | 50 | EIDK-01-12 | RT |

**User Supplied Reagents and Equipment**

Pre-cooled absolute ethanol