

Capturem™ Extracellular Vesicle Isolation Kit (Maxi)

Catalog No.
635748

Amount
8 maxipreps

Lot Number
Specified on product label.

Description

The Capturem Extracellular Vesicle Isolation Kit (Maxi) provides a complete solution for the simple and rapid isolation of extracellular vesicles, like exosomes, from various biological fluids, such as plasma, serum, urine, milk, saliva, and cell-conditioned media. The kit includes eight single-use, disposable pre-clearing columns; eight single-use, disposable Amicon centrifugal filter units; eight single-use, disposable isolation columns; as well as equilibrium, wash, and elution buffers. The extracellular vesicles are isolated using specially designed Capturem spin columns containing a lectin-based binding compound that is not antibody-based.

Package Contents

- 8 each Capturem Extracellular Vesicle Isolation Maxi Spin Columns
- 8 each Extracellular Vesicle Isolation Pre-Clearing Columns
- 8 each Amicon Ultra-15 Centrifugal Filter Unit, 100 kDa MWCO
- 50 ml Extracellular Vesicle Isolation Equilibration Buffer
- 50 ml Extracellular Vesicle Isolation Wash Buffer
- 10 ml Extracellular Vesicle Isolation Elution Buffer

Storage Conditions

- Store at room temperature.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Room temperature

Product Documents

Documents for our products are available for download at [takarabio.com/manuals](https://www.takarabio.com/manuals)

The following documents apply to this product:

- Capturem Extracellular Vesicle Isolation Kit (Maxi) Protocol-at-a-Glance

Takara Bio USA, Inc.

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Quality Control Data

Capturem Extracellular Vesicle Isolation Kit (Maxi)

Extracellular vesicle isolation was tested using a solution containing a highly specific ligand for the lectin-based binding compound immobilized on the membrane in the Capturem Extracellular Vesicle Isolation Maxi Spin Columns. The ligand concentration was measured using a NanoDrop spectrophotometer for the known absorbance characteristics of the ligand. A standard curve was prepared by plotting absorbance for each standard concentration (1.0–0.1 mg/ml). Next, a 0.5 mg/ml ligand solution was passed through the column twice for binding with the membrane, and the ligand concentration in the flowthrough was measured by applying the linear regression equation from the standard curve to the absorbance value of the flowthrough sample. The amount of ligand depleted was calculated by subtracting the amount in the flowthrough from the total amount in the input solution. All columns were verified to deplete ≥ 2.4 mg of the ligand, indicating sufficient presence of the lectin-based binding compound within the membrane.

Extracellular Vesicle Isolation Pre-Clearing Columns and Centrifugal Filter Units

Pre-clearing columns were tested by verifying the structural integrity of the columns after centrifugation. Amicon Ultra-15 centrifugal filter units were tested by the manufacturer.

Buffers

All buffers provided in the kit were tested for pH and conductivity.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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STATEMENT 273

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