

## Capturem™ Extracellular Vesicle Isolation Kit (Mini)

Catalog No.	Amount	Lot Number
635741	20 minipreps	Specified on product label.

### Description

The Capturem Extracellular Vesicle Isolation Kit (Mini) provides a complete solution for the simple and rapid isolation of extracellular vesicles (EVs), from small volumes of biological fluids, such as plasma, saliva, and cerebrospinal fluid (CSF). The kit includes 20 single-use, disposable pre-clearing columns; 20 single-use, disposable isolation columns; as well as sufficient equilibrium, wash, and elution buffers for 20 minipreps. EVs are isolated using specially designed Capturem spin columns containing a lectin-based EV-binding compound.

### Package Contents

- 20 ea. Capturem Extracellular Vesicle Isolation Mini Spin Columns
- 20 ea. Extracellular Vesicle Isolation Pre-Clearing Columns
- 20 ml Extracellular Vesicle Isolation Equilibration Buffer
- 20 ml Extracellular Vesicle Isolation Wash Buffer
- 4 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](http://takarabio.com/manuals)

The following documents apply to this product:

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

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#### Takara Bio USA, Inc.

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## Quality Control Data

### Capturem Extracellular Vesicle Isolation Kit (Mini)

Isolation of extracellular vesicles was performed using a solution containing a highly specific ligand for the lectin-based binding compound immobilized on the membrane in the Capturem Extracellular Vesicle Isolation Mini Spin Columns. Using a NanoDrop spectrophotometer, the ligand concentration was measured 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). A ligand solution at 0.25 mg/ml was passed through the column twice for membrane binding, 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  $\geq 100 \mu\text{g}$  of the ligand, indicating sufficient presence of the lectin-based binding compound within the membrane.

### Extracellular Vesicle Isolation Pre-Clearing Columns

Pre-clearing columns were tested by verifying the structural integrity of the columns after centrifugation.

### 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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### CATALOG NO.

635741

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### STATEMENT 273

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